CCTV Distributor

Videcon PLC

Product Guide

Spring - Summer

2008

"the complete CCTV collection"

www.videcon.co.uk

welcome

Dear Customer

Welcome to the 2008 Videcon product guide

2008 promises to be another successful year for Videcon filled with many new and exciting products and services.

We've recently moved to a new 31,000 sg.ft head office at Concept Business Park in West Yorkshire. The new facility has increased our stockholding capacity by 85% and office space by 100%, with ample space for future expansion.

We have also been busy recruiting extra personnel to ensure that as the company grows, we continue to maintain the high standard of customer service that you have come to expect. We now have a committed and knowledgeable field sales team covering the UK, Ireland, France and export markets. All members of the team are highly experienced in the industry and are available for customer visits, on-site product demonstrations, technical advice and support.

This latest product guide features the entire Concept Pro collection, which you will notice is now more extensive than ever. You will also notice a number of newly featured products, in particular the introduction of the Videcon IP range of products and the new VXM4 real-time DVR.

Once again, I would like to thank you for your custom and your continued support. If you have not yet experienced the service that we offer, I look forward to welcoming you as a new customer in the near future..."

Mark Bradley
Managing Director

The Home of Concept Pro

Exclusive to Videcon, the Concept Pro brand is renowned for quality, sustainability and value for money. In addition to offering an exceptional 5-year warranty on all Concept Pro body, fixed dome and zoom cameras and 3-year warranty on all high-speed domes and DVRs, users of Concept Pro can also benefit from a 14 day evaluation period and the most competitive pricing around.

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Our services

Warranty

We offer a comprehensive 5 year warranty on all Concept Pro body, fixed dome and zoom cameras and 3 year warranty on all Concept Pro high speed domes and DVRs. All other Concept Pro products featured in this catalogue are covered for 2 years, subject to our standard terms and conditions. Where the product is not part of the Concept Pro range we will adhere to the manufacturers' warranty.

Stock

With a stock holding in excess of £1.5million we can confidently and competitively supply demand at an affordable price. This gives our customers peace of mind knowing that there is stock available on demand, which can be delivered on a next day service if required.

14 Day Evaluation

We operate a 14 day evaluation period on all Concept Pro products. To take advantage of this service, please quote 'evaluation' when placing your order. For a complete understanding of our evaluation period please see our terms and conditions, which are available on request.

Alternatively, for a comprehensive product demonstration we can arrange for one of our field sales executives to visit you at your premises.

Technical Support

When you buy from Videcon you are not only investing in quality, sustainable products but also professional support, advice and guidance from our highly experienced technical support team.

All our equipment is rigorously tested before sale, however if you do experience a problem, our technical team is dedicated to providing you with expert advice to get you up and running again as quickly as possible. For technical enquiries, please email technical@videcon.co.uk or tel: +44 (0) 1924 528004.

Sales: +44 (0)1924 528000 **Technical:** +44 (0)1924 528004 **Accounts:** +44 (0)1924 528006

We are committed to service excellence in all aspects of CCTV distribution, supplying quality, sustainable products and the highest standard of customer service possible.

Currency

Along with a growing export department we are now able to invoice in Euros and US dollars.

For further information on export sales and overseas distribution please contact our Export Sales Executive David White on +44 (0)1924 528000 or email dwhite@videcon.co.uk.

ISO 9001

As an ISO 9001 approved firm we are committed to service excellence in all aspects of CCTV distribution. We take pride in supplying quality products and the highest standard of service possible, ensuring that all our customers consistently receive professional advice, guidance and support

Demonstration and Training Facility

Our technical training and demonstration room is currently under construction and is scheduled to be open by summer 2008. This new resource will boast a modern, fully equipped training facility and will allow customers 'hands on' access to a broad range of CCTV equipment.

In the meantime, training programmes are still in progress at our old premises. See page 73 for further information.

Delivery

We offer next working day and Saturday AM deliveries in the UK and Northern Ireland on all orders placed before 4.30pm, and two working days to the rest of Europe. For more precise delivery times we offer a timed delivery service, either pre 10:30am or pre 12:00pm. Delivery charges will be quoted at the time of order.

Deliveries to Southern Ireland and France are charged at the rate of £14 per carton - up to 31kg in weight.

For deliveries outside of Europe please contact our Export department on +44 (0)1924 528000 for further information and prices.

Concept Pro

Exclusive to Videcon, the Concept Pro brand is renowned for quality, sustainability and value for money. In addition to offering an exceptional 5-year warranty on all Concept Pro body, fixed dome and zoom cameras and 3-year warranty on high-speed domes and DVRs, users of Concept Pro can also benefit from a 14 day evaluation period and the most competitive pricing around.

Videcon
VCC-5322/D
Mono Body Camera

Lens not included

CCD	1/3"
Resolution	650 Lines
Sensitivity	0.005 Lux
Lens Mount	C/CS
Lens	EI /AI/ DD
Voltage	12V DC/24V AC
Power Consumption	218mA@12V DC 140mA @24V AC
Dimensions (WxHxD)	55x47x135mm
Weight	Approx. 400g

Options

VCC-5322/AC	240V AC

Videcon
VC564K
Mono Body Camera c/w lens & bracket

CCD	1/3"
Resolution	420 Lines
Sensitivity	0.1 Lux
Lens Mount	C/CS
Lens	EI / AI/ DD
Voltage	12V DC
Power Consumption	110mA
Dimensions	40x40x53mm
Weight	Approx. 150g

Concept Pro
VCP7235
Colour Body Camera

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens	4-9mm varifocal lens
Voltage	12V DC/24V AC
Power Consumption	330mA / 4W (Max)
Dimensions (WxHxD)	60x55x126.9mm
Weight	Approx. 420g

Other Features

- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- 5 YEAR WARRANTY

Concept Pro

Concept Pro
VCP2114
Colour Body Camera

Lens not included

CCD	1/3"
Resolution	380 Lines
Sensitivity	0.1 Lux
Lens Mount	C/CS
Lens	EI /AI/ DD
Voltage	12V DC
Power Consumption	230mA/2.8W (Max)
Dimensions (WxHxD)	63.6x54x129.7mm
Weight	Approx. 390g

Other Features

- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- 5 YEAR WARRANTY

Concept Pro

Concept Pro
VCP2214
Colour Body Camera

Lens not included

CCD	1/3"
Resolution	480 Lines
Sensitivity	0.3 Lux
Lens Mount	C/CS
Lens	EI /AI/ DD
Voltage	12V DC
Power Consumption	170mA / 2W (Max)
Dimensions (WxHxD)	63.6x54x129.7mm
Weight	Approx. 390g

Other Features

- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- 5 YEAR WARRANTY

Concept Pro

Concept Pro
VCP2218
Colour Body Camera

Lens not included

CCD	1/3"
Resolution	530 Lines
Sensitivity	0.1 Lux
Sensitivity DSS max Mono	0.0008 Lux
Lens Mount	C/CS
Lens	EI /AI/ DD
Voltage	12V DC / 24V AC
Power Consumption	330mA / 4W (Max)
Dimensions (WxHxD)	63.6x54x129.7mm
Weight	Approx. 390g

Other Features

- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- OSD
- Privacy Zones
- SDNR
- Flickerless
- 5 YEAR WARRANTY

Concept Pro

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Concept Pro
VCP2219 / VCP2249
Colour Mono Body Camera

Offering 550TVL performance and exceptional value for money, the VCP2219 captures sharp, high quality images in almost any environment. With the ability to operate in light levels as low as 0.001 Lux, the VCP2219 offers the perfect solution for around the clock surveillance.

Lens not included

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.1 Lux
Sensitivity DSS Colour	0.008 Lux
Sensitivity DSS Mono	0.001 Lux
Lens Mount	C/CS
Lens	EI / AI/ DD
Voltage	12V DC / 24V AC (VCP2219) 100 ~ 240V AC (VCP2249)
Power Consumption	250mA / 3W(Max)
Dimensions	64x57.6x124.6mm
Weight	Approx. 430g

Other Features
- True Day Night
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- 2x Digital Zoom
- SDNR
- Flickerless
- 5 YEAR WARRANTY

Options
VCP2249	100~240V AC
VCP2219UTP	Built in UTP

For Lenses

see page 28

Concept Pro
VCP2220 / VCP2240
Colour Mono Body Camera

The VCP2220 is a high resolution colour mono camera utilising wide dynamic range technology and offering exceptional value for money. With a built-in DSS (digital slow shutter) this camera can operate in light levels as low as 0.0003 Lux.

Lens not included

CCD	1/3"
Resolution Colour	480 Lines
Sensitivity Colour	0.1 Lux
Sensitivity Mono	0.1 Lux
Sensitivity DSS Colour	0.001 Lux
Sensitivity DSS Mono	0.0003 Lux
Lens Mount	C/CS
Lens	EI / AI/ DD
Voltage	12V DC / 24V AC (VCP2220) 230V AC (VCP2240)
Power Comsumption	600mA / 7.2W (Max) (VCP2220) 500mA / 6W (Max) (VCP2240)
Dimensions (WxHxD)	65x59.6x122.5mm
Weight	Approx.430g

Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Wide Dynamic Range
- On Screen Display
- 3x Digital Zoom
- Privacy Zones
- Flickerless
- RS485
- 5 YEAR WARRANTY

Options
VCP2240	230V AC

For Power Supplies

see page 27

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Concept Pro
VCP451
Colour Mono Zoom Camera

Suitable for a wide range of applications, the VCP451 incorporates the latest 1/4" high resolution SONY CCD technology and colour mono function to provide clear, reliable pictures 24 hours a day. Additional features include an RS-485 controller interface and on screen display menu for ease of set-up and control.

16X ZOOM

- CCD 1/4"
- Resolution Colour 480 Lines
- Sensitivity Colour 1 Lux
- Sensitivity Mono 0.5 Lux
- Sensitivity DSS Colour 0.005 Lux
- Sensitivity DSS Mono 0.001 Lux
- Lens Size 3.9-62.4mm
- Optical Zoom 16x
- Voltage 12V DC
- Power Comsumption 450mA / 5.4W (Max)
- Dimensions (WxHxD) 58x58x103.4mm
- Weight Approx. 300g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- On Screen Display
- Auto Iris
- Auto Focus
- Flickerless
- RS-485 Interface
- 5 YEAR WARRANTY

OPTION

VCP451UTP
- Telemetry, power and video can all be carried on a single CAT5 cable run
- Reduced cabling cost
- Less susceptible to interference
- 12V DC / 24V AC
- 500mA / 6W (Max)

SEE PAGE 63 - 64 FOR MORE INFORMATION ON BALUNS

Concept Pro
VCP551
Colour Mono Zoom Camera

Boasting an impressive 22 x zoom lens and a resolution of 480 TVL, the VCP551 captures clear, high quality images 24 hours a day.

Featuring a host of functions including on screen display and colour mono operation, the VCP551 offers a high performance surveillance solution for a wide range of applications. Complete with an RS-485 controller interface, the unit can be integrated with a variety of control equipment including standard telemetry keyboards and PTZ enabled DVRs

22X ZOOM

- CCD 1/4"
- Resolution Colour 480 Lines
- Sensitivity Colour 1 Lux
- Sensitivity Mono 0.5 Lux
- Sensitivity DSS Colour 0.005 Lux
- Sensitivity DSS Mono 0.001 Lux
- Lens Size 3.9-85.8mm
- Optical Zoom 22x
- Voltage 12V DC
- Power Comsumption 450mA / 5.4W (Max)
- Dimensions (WxHxD) 58x58x103.4mm
- Weight Approx. 300g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- On Screen Display
- 10x Digital Zoom
- Auto Iris
- Auto Focus
- Flickerless
- RS-485 Interface
- 5 YEAR WARRANTY

OPTION

VCP551UTP
- Telemetry, power and video can all be carried on a single CAT5 cable run
- Reduced cabling cost
- Less susceptible to interference
- 12V DC / 24V AC
- 450mA / 5.4W (Max)

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Concept Pro
VCP701
Colour Mono Zoom Camera

Introducing the Concept Pro VCP701 featuring 30 x optical and 10 x digital zoom lens.

Amongst a host of features and functions, the camera comes complete with an on-screen display menu and RS-485 controller interface, enabling the unit to be integrated with a variety of control equipment including standard telemetry keyboards and PTZ enabled DVRs.

30X ZOOM

CCD	1/4"
Resolution Colour	480 Lines
Sensitivity Colour	1 Lux
Sensitivity Mono	0.5 Lux
Sensitivity DSS Colour	0.005 Lux
Sensitivity DSS Mono	0.001 Lux
Lens Size	3.3-99mm
Optical Zoom	30x
Voltage	12V DC
Power Comsumption	380mA / 4.56W (Max)
Dimensions (WxHxD)	65x62x122mm
Weight	Approx. 330g

Other Features

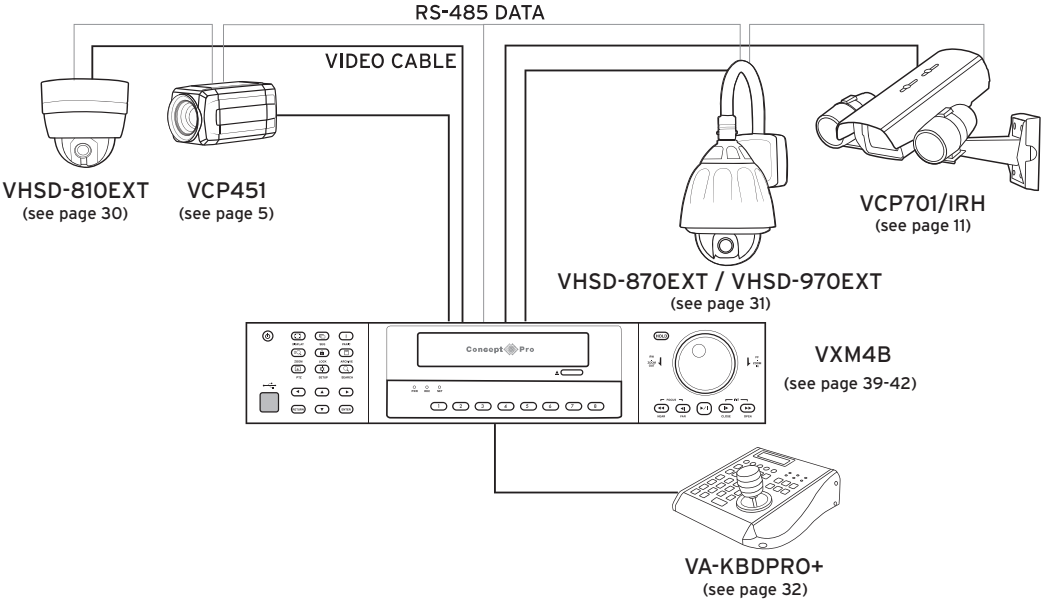
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- On Screen Display
- 10x Digital Zoom
- Auto Iris
- Auto Focus
- Flickerless
- RS-485 Interface
- 5 YEAR WARRANTY

OPTION

VCP701UTP

- Telemetry, power and video can all be carried on a single CAT5 cable run
- Reduced cabling cost
- Less susceptible to interference
- 12V DC
- 500mA / 6W (Max)
- 65x62x140mm
- Approx. 375g

RS485 CONTROL DIAGRAM



Data transmission between items of CCTV control equipment is often carried over twisted-pair cable. This includes data from control keyboards to a central processor or video switching matrix as well as the data from a controller to a telemetry receiver at a functional camera. RS485 is a common data transmission standard employed.

RS485 uses signals of about 5 volts in amplitude and are differential which means that only the difference in voltage between the two cables of the twisted-pair is taken into account. If both of the two wires are interfered with by the same amount then this is automatically ignored. This makes RS485 very good at getting data a long way with very few errors in noisy environments

The maximum cable distance along which signals will pass reliably is 1200m. This is dependent upon using the correct grade of cable. Belden 9841 is one such cable, of which there are many.

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

The VLP collection offers a versatile range of weatherproof colour mono cameras that are suitable for both internal and external applications.

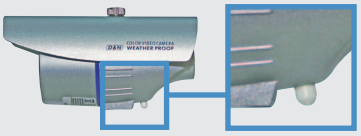
The VLP collection provides a flexible, reliable solution 24hrs a day. Featuring 12 in-built IR LEDs, both the VLP15 and VLP30 are able to operate in light levels as low as 0.3lux (day) and 0.00lux (IR LED on).

Concept Pro
VLP15 Range
Housed IR Camera

	VLP1514/4	VLP1514/6	VLP1524/4	VLP1524/6
CCD	1/3"	1/3"	1/3"	1/3"
Resolution Colour	380 Lines	380 Lines	480 Lines	480 Lines
Sensitivity Colour	0.1 Lux	0.1 Lux	0.3 Lux	0.3 Lux
Sensitivity Mono	0.0 Lux IR LED ON	0.0 Lux IR LED ON	0.0 Lux IR LED ON	0.0 Lux IR LED ON
Infra Red IR LEDs	12	12	12	12
IR Range	15m	15m	15m	15m
Lens Size	4.3mm	6mm lens	4.3mm	6mm lens
Voltage	12V DC	12V DC	12V DC	12V DC
Power Comsumption	300mA / 4.2W (Max)	300mA / 4.2W (Max)	300mA / 4.2W (Max)	300mA / 4.2W (Max)
Dimensions	50(Ø) x 135mm (H)	50(Ø) x 135mm (H)	50(Ø) x 135mm (H)	50(Ø) x 135mm (H)
Weight	Approx. 293g	Approx. 293g	Approx. 293g	Approx. 293g

Other Features
- Auto White Balance
- Auto Gain Control
- IP65
- Internal / External
- Weatherproof
- 5 YEAR WARRANTY

12 IR LED'S



Temperature Balance Valve
Prevents the risk of condensation inside the camera

Temperature Balance Valve

All external camera housings are susceptible to condensation caused by temperature imbalance. The VLP range incorporates a specially designed Temperature Balance Valve which eliminates the conditions that cause condensation build up.

Concept Pro
VLP3026G
Housed IR Camera

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.0 Lux IR LED ON
Infra Red IR LEDs	18
IR Range	30m Range
Lens Size	3.8-9.5mm Varifocal
Voltage	12V DC
Power Comsumption	500mA / 6W (Max)
Dimensions	65 dia. x 179.5mm (H)
Weight	Approx. 350g

Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- IP65
- Internal / External
- Weatherproof
- 5 YEAR WARRANTY

18 IR LED'S

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Our distinctive range of housed IR cameras offers a high performance, reliable surveillance solution as well as providing an effective deterrent. These sizable units are housed in a unique weatherproof housing making them clearly visible in all environments.

Both units boast a high resolution of 550TVL providing superior image quality and come complete with a convenient fixing plate and cable managed bracket to guarantee a quick and easy installation. Additional features include a built in heater and blower to allow cold weather operation and prevent condensation.

Concept Pro
VLP4026
Housed IR Camera

Concept Pro

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.0 Lux IR LED ON
Sensitivity DSS Colour	0.008 Lux
Sensitivity DSS Mono	0.001 Lux
Infra Red IR LEDs	42
IR Range	40m
Lens Size	3.8-9.5mm Varifocal
Voltage	12V DC / 24V AC
Power Comsumption	1.4A / 17W (Max)
Dimensions (WxHxD)	106(Ø) x160.4mm
Weight	Approx. 1.1Kg

Other Features

- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- 5 YEAR WARRANTY
- Service Video Output
- Built in Blower & Heater
- Cable Management Bracket
- Internal / External
- Weatherproof
- External Lens Adjustment

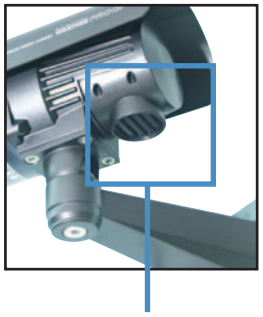
External Lens Adjustment
Incorporating an external lens adjustment to facilitate set-up and maintenance

Concept Pro
VLP4526
Weatherproof IR Camera

The VLP4526 is one of the largest cameras in the VLP range and has a strong visual presence. The unit is housed in a unique weatherproof housing and comes complete with a convenient fixing plate and cable managed bracket to guarantee a quick and easy install.

The camera boasts an impressive 550TVL and features a 3.8-9.5mm varifocal lens. Including 56 integrated IR LEDs the VLP4526 is able to capture images at a range of 50m in light levels as low as 0.0 Lux (IR LED on).

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.0 Lux IR LED ON
Sensitivity DSS Colour	0.008 Lux
Sensitivity DSS Mono	0.001 Lux
Infra Red IR LEDs	56
IR Range	50m
Lens Size	3.8-9.5mm Varifocal
Voltage	12V DC / 24V AC
Power Comsumption	1.5A / 18W (Max)
Dimensions (WxHxD)	110.8x218.6x325.7mm
Weight	Approx. 1.6Kg



BUILT-IN HEATER & BLOWER

Other Features

- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- 2x Digital Zoom
- SDNR
- Flickerless
- Service Video Output
- Built in Heater & Blower
- Cable Management Bracket
- Internal / External
- Weatherproof
- 5 YEAR WARRANTY

Concept Pro

Concept Pro

VLP5026

Housed IR Camera

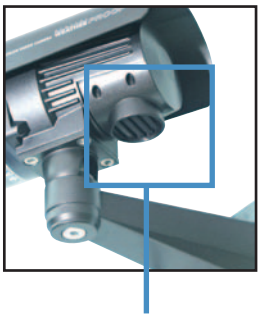
The VLP5026 is one of the largest cameras in the VLP range and has a strong visual presence. The unit is housed in a unique weatherproof housing and comes complete with a convenient fixing plate and cable managed bracket to guarantee a quick and easy install.

The camera boasts an impressive 550TVL and features a 7.5-50mm varifocal lens. Incorporating 9 (Hybrid) IR LEDs the VLP5026 is able to capture images at a range of 60m in light levels as low as 0.0 Lux (IR LED on).

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.0 Lux IR LED ON
Sensitivity DSS Colour	0.008 Lux
Sensitivity DSS Mono	0.001 Lux
Infra Red IR LEDs	9 (Hybrid)
IR Range	60m
Lens Size	7.5-50mm Varifocal
Voltage	12V DC
Power Comsumption	1.5A / 18W (Max)
Dimensions (WxHxD)	111 x 213 x 289.59mm
Weight	Approx. 1.65Kg

Other Features

- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- 2x Digital Zoom
- SDNR
- Flickerless
- Service Video Output
- Built in Heater & Blower
- Cable Management Bracket
- Internal / External
- Weatherproof
- 5 YEAR WARRANTY



BUILT-IN HEATER & BLOWER

Concept Pro

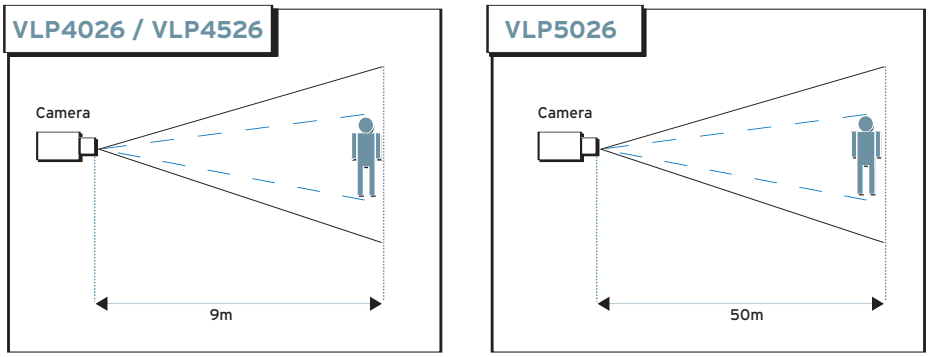
Technical Tips

Home Office recommendations, incorporated into European Standards for CCTV Systems specify that in order to be able to recognise a person he or she should occupy at least 50% of monitor height. Also if it is necessary to be able to positively identify an unknown person then his or her image should occupy 120% or more of the screen's height.

When designing a system it is assumed that the person to be recognised or identified is the European Standard height of 1.6m tall and is standing upright!

Hence for recognition, if a 1.6m person must occupy 50% of screen height, then the monitor must cover no more than 2 x 1.6m = 3.2m at the distance from the camera where the person is standing.

With the VLP4026, VLP4526 and the VLP5026 the standard of recognition can be achieved at the following distances:



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Technical Tips

When installing IR cameras, attention should be taken in the positioning of the camera in order to maximise the effectiveness and coverage of the IR. Low powered IR LEDs can be affected by environmental conditions resulting in poor performance. Where possible, the following should be avoided:

- Large areas of tarmac.
- Areas which are mainly laid to grass.
- Areas with many concrete surfaces.

IR is absorbed by the above types of surface, which can significantly reduce the IR coverage. If the scene does contain areas mentioned above, it is advisable to use a high powered IR unit in order to increase the IR performance and compensate against the environmental conditions.

In normal conditions, IR rays bounce off a surface and are reflected back into the camera. If there is nothing for the IR to bounce off, the camera will not see the light and it may appear as if the IR is not working. In this situation, when a person or vehicle appears in the scene the object should then become visible.

Note that the power consumption of IR cameras can increase under cold conditions. This is due to LEDs burning brighter in cold weather and should be taken into consideration when calculating power supply requirements.

Concept Pro

VCP551W

Housed Colour Mono Camera c/w Zoom lens

The VCP551W is a high performance 22x zoom camera in a unique weatherproof housing.

The camera offers an effective solution for a wide range of applications, featuring a resolution of 480TVL and day/night operation. Available with an RS-485 controller interface, the VCP551W can be integrated with a variety of control equipment including standard telemetry keyboards and PTZ enabled DVRs, guaranteeing ease of set up and control.

CCD	1/4"
Resolution Colour	480 Lines
Sensitivity Colour	1 Lux
Sensitivity Mono	0.5 Lux
Sensitivity DSS Colour	0.005 Lux
Sensitivity DSS Mono	0.001 Lux
Lens Size	3.9-85.8mm
Optical Zoom	22x
Voltage	12V DC / 24V AC
Power Consumption	800mA / 9.6W (Max)
Dimensions (WxHxD)	110 x 218.6 x 325.7mm
Weight	Approx. 1.6Kg

NOTE:
This is not an IR camera

Other Features

- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- On Screen Display
- 10x Digital Zoom
- Flickerless
- RS-485 Interface
- Auto Iris
- Auto Focus
- Cable Management Bracket
- Internal / External
- Weatherproof
- 5 YEAR WARRANTY

Concept Pro

Interested in a Demonstration?

If you'd like a demonstration on any of the products listed in this catalogue please call us on +44 (0)1924 528000 to organise an appointment. We will either arrange for one of our field sales executives to visit you at your premises or you can call in to our new head office in West Yorkshire.

Fax: +44 (0)1924 528005 Email: sales@videcon.co.uk Web: www.videcon.co.uk

Concept Pro
VCP701/IRH
Colour Mono Camera c/w Zoom lens & IR LEDs

The VCP701/IRH offers all the functionality of the VCP701 colour mono zoom camera in a stylish weatherproof housing with integrated IR LEDs.

This high performance camera features an impressive 30 x optical zoom lens and two integrated IR LED lamps, which enables the unit to capture images at an approximate range of 30 metres in light levels as low as 0.00 lux (IR LED on).

The camera comes complete with a convenient fixing plate and cable managed bracket to guarantee a quick and easy install. Featuring an RS-485 controller interface, the VCP701/IRH can be integrated with a variety of control equipment including standard telemetry keyboards and the VXM4B range. (See page 39-42)

CCD	1/4"
Resolution Colour	480 Lines
Sensitivity Colour	1 Lux
Sensitivity Mono	0.0 Lux (IR LED On)
Sensitivity DSS max Colour	0.005 Lux
Sensitivity DSS max Mono	0.001 Lux
Number of Infra Red LED	126 (63x2)
IR Range Metres	50m (outdoor), 70m (indoor)
Lens Size	3.3-99mm
Optical Zoom	30x
Voltage	12V DC
Power Consumption	2.5A / 30W (Max)
Dimensions (WxHxD)	272.1 x 220.2 x 356.5mm
Weight	Approx. 3.2Kg

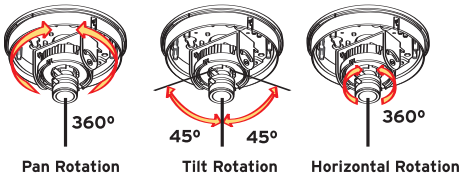
Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- OSD
- Flickerless
- RS-485 Interface
- Service Video Out
- IP65
- Extra Video-out port for Easier Installation
- Built-in Heater
- Cable Management Bracket
- 5 YEAR WARRANTY

Sales: +44 (0)1924 528000 Technical: +44 (0)1924 528004 Accounts: +44 (0)1924 528006

Concept Pro
VBP501
Colour Mono Zoom Dome Camera

Concept Pro

- CCD 1/4"
- Resolution Colour 480 Lines
- Sensitivity Colour 1 Lux
- Sensitivity Mono 0.5 Lux
- Sensitivity DSS max Colour 0.005 Lux
- Sensitivity DSS max Mono 0.001 Lux
- Lens Size 3.9-85.8mm
- Optical Zoom 22x
- Voltage 12V DC / 24V AC
- Power Consumption 1.35A / 16.2W (Max)
- Dimensions (WxHxD) 119.8mm(Ø). x 126.5 (H)
- Weight Approx. 1.6kg



Pan Rotation | Tilt Rotation | Horizontal Rotation

Other Features
- Vandal Resistant
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- OSD
- Flickerless
- RS-485 Interface
- Service Video Out
- Tri-Axis Gimbal
- IP65
- Auto Focus
- Auto Iris
- 5 YEAR WARRANTY

Service Video Output
Enables test monitor to be connected direct to camera

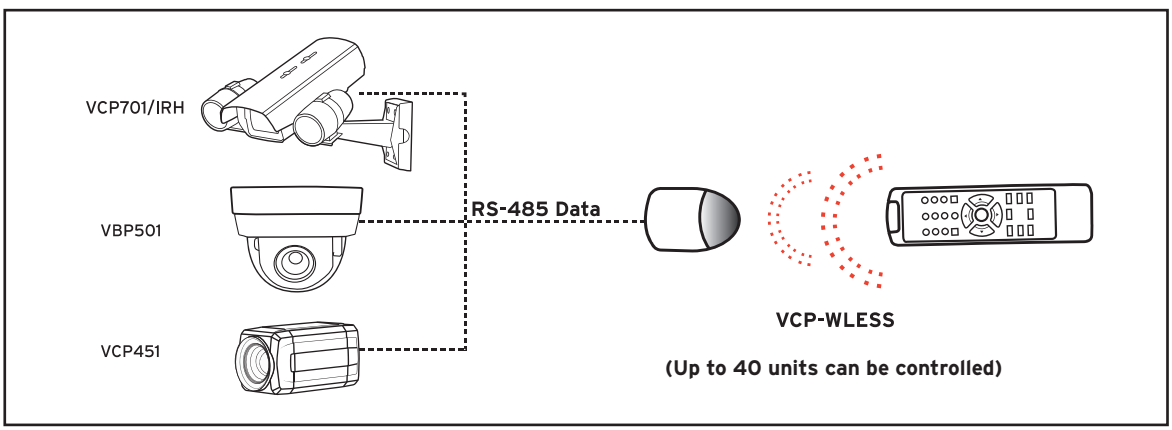
Interested in a Demonstration? Call +44 (0)1924 528000 for details

Concept Pro
VCP-WLESS
Wireless Remote Control

VCP-WLESS is a wireless IR remote control for RS-485 zoom and dome cameras. The VCP-WLESS plugs into the back of the camera via RS-485 twisted pair data cable (Cat 5) to allow positioning of the zoom lens.

Concept Pro

- Wireless Remote control for RS-485
- Standard Pelco D protocol output @ 2400 baud
- Supports up to 10 different camera IDs
- Controls camera zoom in normal use
- Allows remote control of all camera setup functions on the VCP451, VCP701/IRH and VBP501



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Videcon
VB805A
Colour Covert PIR Camera

- CCD 1/4"
- Resolution 350 Lines
- Sensitivity 1.0 Lux
- Lens Size 3.7mm Pinhole
- Voltage 12V DC

Other Features
- Audio
- Working PIR Case
- N/O or N/C contacts

Concept Pro
VBP1700
Colour Covert Smoke Camera

- CCD 1/3"
- Resolution 380 Lines
- Sensitivity 0.1 Lux
- Lens Size 3.8mm
- Voltage 12V DC
- Power Consumption 150mA / 1.8W (Max.)
- Dimensions (WxHxD) 89.5 dia. x 63mm
- Weight Approx. 157g

Other Features
- Audio
- Auto White Balance
- Auto Gain Control
- 5 YEAR WARRANTY

Concept Pro

DATA PROTECTION

The use of CCTV systems by private or public bodies may be subject to the requirements of the Data Protection Act 1998 (DPA). The DPA covers information that relates to an individual. Until recently, the DPA was thought to cover most CCTV use as it related to individuals who were captured on camera. However, a recent Court of Appeal case has shown that the scope of the DPA is far narrower than was previously thought. It is now clear that only certain CCTV activities are covered. The court decided that for information to relate to an individual, it had to affect their privacy. To help judge this, the court decided that two matters were important: (1) a person had to be the focus of the information and (2) the information must tell you something significant about them. Whether or not the DPA covers a CCTV system thus depends on how it is used. If a particular person is intended to be the focus of CCTV and the information from the CCTV tells something significant about that person, the data from the CCTV are likely to be covered by the DPA and the operator's use of CCTV must comply with the provisions of the DPA.

Basic CCTV systems, such as those in a shop for security purposes, are now unlikely to be covered provided that the operator is not using the images for checking on staff. If, however, the CCTV is used remotely to zoom in on people, or for monitoring particular individuals, or the data recorded is used for anything other than for providing information to the law enforcement bodies, then the CCTV is likely to be covered by the DPA.

KT&C
KPC-S190 Range
Monochrome Bullet Camera Range

ORDER CODE	DESCRIPTION
KPC-S190SB1	1/3" 420 line, 0.05lux @ F2.0, 3.6mm lens, 9-15V DC
KPC-S190SB2	1/3" 420 line, 0.05 lux @ F2.0, 3.6mm lens, 9-15V DC
KPC-S190SP	1/3" 420 line, 0.05 lux@ F3.5, 3.7mm lens, 9-15V DC
KPC-S190SP1	1/3" 420 line, 0.05 lux @ F2.0, 3.7mm conical lens, 9-15V DC
KPC-S190SP3	1/3" 420 line, 0.05 lux @ F2.0, 3.7mm lens, 9-15V DC
KPC-S190SP4	1/3" 420 line, 0.05 lux @ F2.0, 4.3mm pinhole lens, 9-15V DC
KPC-S190SWX	1/3" 420 line, 0.02 lux @ F2.0, 3.6mm lens, 9-15V DC weatherproof
KPC-EX190SB1	1/3" 420 line 0.05 lux @ F2.0, 3.6mm lens, 9-15V DC, Ex-View
KPC-EX190SP1	1/3" 420 line 0.05 lux @ F2.0, 3.7mm conical lens, 9-15V DC, Ex-View
KPC-EX190SP3	1/3" 420 line 0.05 lux @ F2.0, 3.7mm lens, 9-15V DC, Ex-View
KPC-EX190SP4	1/3" 420 line 0.05 lux @ F2.0, 4.3mm pinhole lens, 9-15V DC, Ex-View
KPC-EX190SWX	1/3" 420 line 0.05 lux @ F2.0, 3.6mm lens, 9-15V DC, Ex-View

In addition to supplying the exclusive Concept Pro brand of products, Videcon also gives you access to the worlds leading CCTV equipment manufacturers. For further information and prices please call us on +44 (0)1924 528000.

KT&C
KPC-S230 Range
Colour Bullet Camera Range

ORDER CODE	DESCRIPTION
KPC-S230CB	1/3" 380 line, 0.5 lux, 3.6mm lens 9-15V DC
KPC-S230CP1	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm lens 9-15V DC
KPC-S230CP3	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm lens 9-15V DC
KPC-S230CP4	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm pinhole lens 9-15V DC
KPC-S230CV	1/3" 380 line, 0.5 lux @ F2.0, 4-8mm v/focal lens 9-15V DC
KPC-S230CWX	1/3" 380 line, 0.5 lux @ F2.0, 3.6mm lens 9-15V DC weatherproof
KPC-S230CWRX	1/3" 380 line, 0.5 lux @ F2.0, 3.6mm lens 9-15V DC weatherproof with sunshield
KPC-EX230CB	1/3" 380 line, 0.5 lux @ F2.0, 3.6mm lens 9-15V DC, Ex-View
KPC-EX230CP1	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm lens 9-15V DC, Ex-View
KPC-EX230CP3	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm lens 9-15V DC, Ex-View
KPC-EX230CP4	1/3" 380 line, 0.5 lux @ F2.0, 3.7mm pinhole lens 9-15V DC, Ex-View
KPC-EX230CV	1/3" 380 line, 0.5 lux @ F2.0, 4-8mm v/focal lens 9-15V DC, Ex-View
KPC-EX230CWX	1/3" 380 line, 0.5 lux @ F2.0, 3.6mm lens 9-15V DC weatherproof, Ex-View
KPC-EX230CWRX	1/3" 380 line, 0.5 lux @ F2.0, 3.6mm lens 9-15V DC weatherproof with sunshield, Ex-View
KPC-HD230CWX	1/3" 520 line, 0.1 lux @ F2.0, 3.6mm lens 9-15C DC weatherproof, 3 x Digital Zoom.
KPC-HD230CP4	1/3" 520 line, 0.1lux @ F2.0, 3.7mm pinhole lens 9-15V DC, 3 x Digital Zoom.
KPC-HD230CP1	1/3" 520 line, 1.0 lux @ F2.0, 3.7mm lens 9-15V DC ,3 x Digital Zoom.

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KT&C
KPC-S38 Range
Monochrome Board Camera

- CCD 1/3" Sony Super HAD
- Resolution 480 Lines
- Sensitivity 1.0 Lux
- Lens Options 3.6mm / 3.7mm Coned/ Flat Pinhole / 4.8mm V/focal / AI V/focal
- Voltage 9-15V DC

Other Features

- C/CS lens mount option
- 38mm Square Cased Board
- Audio optional
- 3 x digital zoom

KT&C
KPC-S700 Range
Colour Board Camera

- CCD 1/3" Sony Super HAD
- Resolution 380 Lines
- Sensitivity 0.5 Lux
- Lens Options 3.6mm / 3.7mm Coned/ Flat Pinhole /4.3mm Super Coned Pinhole / 4-8mm V/focal
- Voltage 12V DC
- 30mm Square Cased Board

KT&C
KPC-S20C Range
Colour Board Camera

- CCD 1/4" Sony Super HAD
- Resolution 380 Lines
- Sensitivity 1.0 Lux
- Lens Options 3.6mm / 3.7mm Coned/ Flat Pinhole /4.3mm Coned Pinhole
- Voltage 12V DC
- 22mm Square Cased Board

Colour Board Cameras

ORDER CODE	DESCRIPTION
VB456P	
KPC-S20CB	1/4" 380 line, 0.5 lux, 3.6mm lens, 22mm sq cased board 9-15V DC
KPC-S20CP1	1/4" 380 line, 0.5 lux, 3.7mm cone pinhole lens, 22mm sq cased board 9-15V DC
KPC-S20CP3	1/4" 380 line, 0.5 lux, 3.7mm flat pinhole lens, 22mm sq cased board 9-15V DC
KPC-S20CP4	1/4" 380 line, 0.5 lux, 4.3mm super cone pinhole lens, 22mm sq cased board 9-15V DC
KPC-S700CB	1/3" 380 line, 0.5 lux, 3.6mm lens, 30mm sq cased board, 9-15V DC
KPC-S700CP1	1/3" 380 line, 0.5 lux, 3.7mm cone pinhole lens, 30mm sq cased board, 9-15V DC
KPC-S700CP3	1/3" 380 line, 0.5 lux, 3.7mm flat pinhole lens, 30mm sq cased board, 9-15V DC
KPC-S700CP4	1/3" 380 line, 0.5 lux, 4.3mm super cone pinhole lens, 30mm sq cased board, 9-15V DC
KPC-S700CV	1/3" 380 line, 0.5 lux, 4-8mm v/focal lens, 30mm sq cased board, 9-15V DC
KPC-S38CZHB	1/3" 480 line, 1.0 lux, 3.6mm lens, 38mm sq cased board, 9-15V DC
KPC-S38CZHCM	1/3" 480 line, 1.0 lux, C/CS lens mount, 38mm sq cased board, 9-15V DC
KPC-S38CZHP1	1/3" 480 line, 1.0 lux, 3.7mm cone pinhole lens, 38mm sq cased board, 9-15V DC
KPC-S38CZHP3	1/3" 480 line, 1.0 lux, 3.7mm flat pinhole lens, 38mm sq cased board, 9-15V DC
KPC-S38CZHV	1/3" 480 line, 1.0 lux, 4-8mm v/focal lens, 38mm sq cased board, 9-15V DC
KPC-S38CZHVA1	1/3" 480 line, 1.0 lux, 4-8mm AI v/focal lens, 38mm sq cased board, 9-15V DC

If you don't see what you are looking for please ask, we can source it for you

Technical Tips

COVERT CAMERAS

Covert cameras tend to be built into an array of common products such as PIRs, junction boxes and smoke detectors. Small board cameras are also available that can be fitted into suitable items already on site.

They have very small front 'objective' lenses, which mean that they can be put behind very small holes, and are virtually undetectable. Straight and right-angled models are available to facilitate the mounting of the camera and to reduce the depth required behind the concealing surface. Due to the small objective lens, pin-hole lenses cannot gather as much light as conventional lenses and so their use dictates that the scene illumination is better than would otherwise be required.

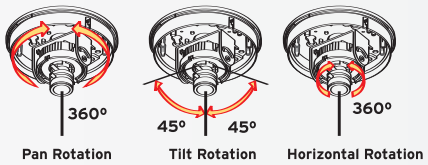
Typically the maximum apertures available on pin hole lenses is F2.5 to F3.5 which is approximately 2 to 3 stops less than standard lenses. Hence between 4 and 8 times the normally quoted minimum scene illumination is required for the camera to produce a usable picture.

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

Concept Pro
VBP Range
Colour Dome Camera

All versions within the Concept Pro VBP fixed dome camera range are equipped with a Tri-axis gimbal and come with an exceptional 5 year warranty as standard.

Tri-Axis Gimbal
Allows free lens rotation, ensuring suitability for both ceiling and wall mounted applications.



Pan Rotation | Tilt Rotation | Horizontal Rotation

Concept Pro VBP3212
Colour Fixed Dome

CCD	1/3"
Resolution	480 Lines
Sensitivity	0.3 Lux
Lens Size	3.8mm
Voltage	12V DC
Power Consumption	250mA/3W (Max)
Dimensions	68(Ø)x102.1(H)
Weight	Approx. 116g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

Concept Pro VBP5112 / VBP5212
Colour Fixed Dome

	VBP5112	VBP5212
CCD	1/3"	1/3"
Resolution Colour	380 Lines	480 Lines
Sensitivity Colour	0.1 Lux	0.3 Lux
Lens Size	3.8mm	3.8mm
Voltage	12V DC	12VDC
Power Consumption	150mA/1.8W (Max.)	150mA/1.8W (Max.)
Dimensions	85(Ø)x76.7(H)	85(Ø)x76.7(H)
Weight	Approx. 220g	Approx. 220g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

SEE PAGE 25 FOR DUMMY DOMES

Concept Pro

Concept Pro VBP4304
Colour Fixed Dome

CCD	1/3"
Resolution	380 Lines
Sensitivity	0.1 Lux
Lens Size	3.8mm
Voltage	12V DC
Power Consumption	150mA/1.8W (Max)
Dimensions	100(Ø)x102(H)
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

Concept Pro VBP5314
Colour Fixed Dome

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens Size	3.8mm
Voltage	12V DC
Power Consumption	150mA/1.8W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

UTP VERSION AVAILABLE. SEE PAGE 17

Concept Pro

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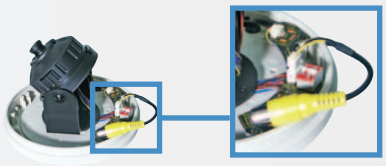

Service Video Output
Enables test monitor to be connected direct to camera
(VBP4304, VBP5314, VBP4324, VBP6324, VBP6324-265B)

Concept Pro VBP4324
Colour Fixed Dome

CCD	1/3"
Resolution	380 Lines
Sensitivity	0.1 Lux
Lens Size	4-9mm Varifocal
Voltage	12V DC
Power Consumption	200mA/2.4W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

Concept Pro VBP6324
Colour Fixed Dome

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens Size	4-9mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	200mA/2.4W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

UTP VERSION AVAILABLE. SEE PAGE 17

Concept Pro

Concept Pro VBP6324-256B
Colour Fixed Dome

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens Size	2.5-6mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	200mA/2.4W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

Concept Pro VBP6324DN
Colour Mono Fixed Dome

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.1 Lux
Lens Size	2.9-10mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	420mA / 5W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

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FIXED DOME UTP VERSIONS

Selecting a Concept Pro product with built in UTP effectively allows you to dramatically reduce cable costs and engineers time by using just a single CAT5 cable to make all the connections.

For example, when installing a VCP551UTP, 24V AC, RS-485 and video can all be carried over a single CAT5 cable at distances up to 300 metres. Such distances are achievable because the twists in UTP cable cancel any external interference that would otherwise affect traditional coax cabling, and produce poor image quality.

- Power and video can both be carried on a single CAT5 cable run
- Reduced cabling cost
- Less susceptible to interference
- 12V DC / 24V AC
- 200mA/2.4W

Concept Pro VBP5314UTP
Colour Fixed Dome

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens Size	3.8mm
Voltage	12V DC / 24V AC
Power Consumption	200mA/2.4W (Max)
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

Concept Pro VBP6324UTP
Colour Fixed Dome

CCD	1/3"
Resolution	550 Lines
Sensitivity	0.3 Lux
Lens Size	4-9mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	200mA/2.4W
Dimensions	100(Ø)x102(H)mm
Weight	Approx. 366g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro

UTP is becoming an affordable and realistic alternative to coax video transmission, which can be more effective over long distances. All fixed dome UTP cameras can be used with the Videcon range of baluns including VA311, VA313, VA319 and VA320.

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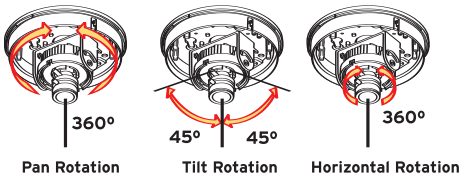
Concept Pro

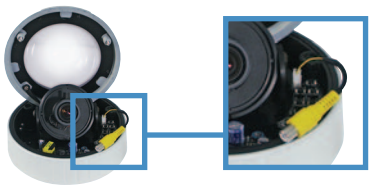
VVP Range

Vandal Resistant Dome Camera

The VVP range of vandal resistant dome cameras provides the ideal surveillance solution for monitoring areas that are prone to attack, such as prisons, schools and car parks.



Tri-Axis Gimbal
Allows free lens rotation



Service Video Output
Enables test monitor to be connected direct to camera

	VVP9304	VVP9314	VVP9324	VVP9324DN
	Colour	Colour	Colour	Colour Mono
CCD	1/3"	1/3"	1/3"	1/3"
Resolution	380 Lines	550 Lines	550 Lines	550 Lines
Sensitivity Colour	0.1 Lux	0.3 Lux	0.3 Lux	0.3 Lux
Sensitivity Mono	N/A	N/A	N/A	0.1 Lux
Lens Size	3.8mm	3.8mm	2.9-10mm Varifocal	2-9-10mm Varifocal
Voltage	12V DC	12V DC	12V DC / 24V AC	12V DC / 24V AC
Power Consumption	150mA/1.8W(max.)	150mA/1.8W(max.)	250mA	420mA
Dimensions	100(Ø)x101(H)	100(Ø)x101(H)	100(Ø)x101(H)	100(Ø)x101(H)
Weight	Approx. 844g	Approx. 844g	Approx. 844g	Approx. 844g

Other Features

- True Colour Mono (ICR) (VVP9324DN Only)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- IP65
- Service Video Out
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

UTP VERSIONS AVAILABLE. SEE PAGE 20

Concept Pro

VVP-BRK

Bracket

Vandal Resistant Bracket for the VVP Range

(Excluding VVP9315DNIR & VVP9325DNIR, VVP9313DNIR, VVP9323DNIR)

The VVP-BRK is a user-friendly wall mount bracket suitable for VVP vandal resistant dome cameras (some exceptions apply). The bracket is ideal for installing fixed dome cameras to uneven or jagged walls or if you require the camera to extend out from the wall.

Fax: +44 (0)1924 528005 Email: sales@videcon.co.uk Web: www.videcon.co.uk

Concept Pro

VVP IR Dome Models

Colour Mono Vandal Resistant Dome

The VVP range of vandal resistant IR dome cameras provides the ideal solution for monitoring areas that are prone to attack, such as prisons, schools and car parks.

	VVP9313DNIR	VVP9323DNIR	VVP9315DNIR	VVP9325DNIR
CCD	1/3"	1/3"	1/3"	1/3"
Resolution Colour	520 Lines	520 Lines	520 Lines	520 Lines
Sensitivity Colour	0.3 Lux	0.3 Lux	0.3 Lux	0.3 Lux
Sensitivity Mono	0.002 Lux IR LED On	0.002 Lux IR LED On	0.002 Lux IR LED On	0.002 Lux IR LED On
Number of Infra Red LED	18	18	18	18
IR Range Metres	10m	10m	10m	10m
Lens Size	3.6mm	3.3-12mm Varifocal	3.6mm	3.3-12mm Varifocal
Voltage	12V DC	12V DC	12V DC	12V DC
Power Consumption	0.3A	1A	1A	1A
Dimensions	140(Ø)x106(H)mm	140(Ø)x106(H)mm	140(Ø)x106(H)mm	140(Ø)x106(H)mm
Weight	Approx. 0.75Kg	Approx. 0.8Kg	Approx. 0.75Kg	Approx. 0.8Kg

Other Features

- True Colour Mono (ICR) (VVP9315DNIR & VVP9325DNIR Only)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- Service Video Output
- Tri-Axis Gimbal
- IP66
- On Screen Display Set-up
- Privacy Zones
- Digital Slow Shutter
- Digital Noise Reduction
- 5 YEAR WARRANTY

Easy to install

Locking Ring

Dome Sphere

Camera Module

Base Seal

Full IR capability at 90° tilt

Enclosed in a discreet vandal proof dome housing, the VVP IR camera range features a tri-axis gimbal to enable free rotation of the built in lens. With the ability to mount on the wall or ceiling, this high performance camera range can be installed virtually anywhere with ease.

For further information on IR cameras see page 10

VANDAL RESISTANT DOME UTP VERSIONS

Selecting a Concept Pro product with built in UTP effectively allows you to dramatically reduce cable costs and engineers time by using just a single CAT5 cable to make all the connections.

For example, when installing a VVP9314UTP, 24V AC, RS-485 and video can all be carried over a single CAT5 cable at distances up to 300 metres. Such distances are achievable because the twists in UTP cable cancel any external interference that would otherwise affect traditional coax cabling, and produce poor image quality.

Concept Pro
VVP9314UTP / VVP9324UTP
Vandal Resistant Dome c/w built in UTP

	VVP9314UTP	VVP9324UTP
CCD	1/3"	1/3"
Resolution	550 Lines	550 Lines
Sensitivity	0.3 Lux	0.3 Lux
Lens Size	3.8mm	4-9mm Varifocal
Voltage	12V DC / 24V AC	12V DC / 24V AC
Power Consumption	150mA / 1.8W (Max)	250mA / 3W (Max)
Dimensions	100(Ø)x101(H)mm	100(Ø)x101(H)mm
Weight	Approx. 844g	Approx. 844g

Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- IP65
- Service Video Out
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

- Power and video can both be carried on a single CAT5 cable run
- Reduced cabling cost
- Less susceptible to interference
- 12V DC / 24V AC
- 200mA/2.4W

Concept Pro
VVP9324DNUTP
Colour Mono Vandal Resistant Dome c/w built in UTP

CCD	1/3"
Resolution Colour	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.1 Lux
Lens Size	2-9-10mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	420mA / 5W (Max)
Dimensions	100(Ø)x101(H)
Weight	Approx. 844g

Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- IP65
- Service Video Out
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

Concept Pro
VVP-CAB-12V
Cable 1.8Mt for power and video for VVP9304 and VVP9314 12V DC cameras

Concept Pro
VVP-CAB-12V/24
Cable 1.8Mt for power and video for VVP9324 and VVP9324DN 12VDC/24VAC cameras

Are you looking to source equipment for a specific project? Can't find what you're looking for in this catalogue? If yes, please call us to discuss your requirements and we'll do our utmost to ensure your needs are met.

Call us on +44 (0)1924 528000 or email us your requirements to sales@videcon.co.uk

The VVP5212 has been designed with both style and performance in mind. The cameras contemporary design is ideal for today's modern environments such as retail premises, restaurants and bars, providing a discreet yet effective surveillance solution.

The VVP5212 comes complete with a tri-axis gimbal to enable free rotation of the built in lens.

Concept Pro
VVP5212BS
Vandal Resistant Colour Dome Camera

- CCD 1/3"
- Resolution 480 Lines
- Sensitivity 0.3 Lux
- Lens Size 3.8mm
- Voltage 12V DC
- Power Consumption Max. 3W
- Dimensions 123.3(Ø)x66.7(H)
- Weight Approx. 570g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- IP65
- 5 YEAR WARRANTY

Concept Pro
VVP5212CS
Vandal Resistant Colour Dome Camera

- CCD 1/3"
- Resolution 480 Lines
- Sensitivity 0.3 Lux
- Lens Size 3.8mm
- Voltage 12V DC
- Power Consumption Max. 3W
- Dimensions 123.3(Ø)x66.7(H)
- Weight Approx. 570g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- IP65
- 5 YEAR WARRANTY

Concept Pro
VVP5212CC
Vandal Resistant Colour Dome Camera

- CCD 1/3"
- Resolution 480 Lines
- Sensitivity 0.3 Lux
- Lens Size 3.8mm
- Voltage 12V DC
- Power Consumption Max. 3W
- Dimensions 105.3(Ø)x64.7(H)
- Weight Approx. 265g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- IP65
- 5 YEAR WARRANTY

Concept Pro
VVP5212BC
Vandal Resistant Colour Dome Camera

- CCD 1/3"
- Resolution 480 Lines
- Sensitivity 0.3 Lux
- Lens Size 3.8mm
- Voltage 12V DC
- Power Consumption Max. 3W
- Dimensions 105.3(Ø)x64.7(H)
- Weight Approx. 265g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- IP65
- 5 YEAR WARRANTY

Videcon
Vandal Resistant Colour Dome Camera

VB6250-G3.6
Gunmetal Grey Casing

VB6250-W3.6
White Casing

- CCD 1/3"
- Resolution Colour 420 Lines
- Sensitivity Colour 0.1 Lux
- Sensitivity Mono 0.0 Lux (IR LED On)
- Number of Infra Red LED 6
- IR Range Metres 5m
- Lens Size 3.6mm
- Voltage 12V DC
- Power Consumption 150mA
- Dimensions 60x57mm
- Weight Approx. 320g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal

Sales: +44 (0)1924 528000 Technical: +44 (0)1924 528004 Accounts: +44 (0)1924 528006

The VVP5212MDS/MDF is a cost effective mini dome camera housed in a hardened polycarbonate housing. The unit features a tri-axis gimbal to enable free rotation of the built in lens.

Available in either flush or surface mount, this camera offers a discreet, reliable surveillance solution for a wide range of applications including retail premises, bars and restaurants.

Concept Pro
VVP5212MDS / VVP5212MDF
Mini Vandal Resistant Dome Camera

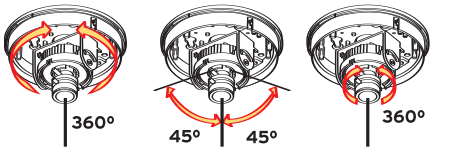
	VVP5212MDS Surface Mount	VVP5212MDF Flush Mount
CCD	1/3"	1/3"
Resolution	480 Lines	480 Lines
Sensitivity	0.3 Lux	0.3 Lux
Lens Size	3.8mm	3.8mm
Voltage	12VDC	12VDC
Power Consumption	150mA/1.8W(Max)	150mA/1.8W(Max)
Dimensions	58(Ø) x 57(H)	58(Ø) x 60(H)
Weight	Approx. 215g	Approx. 215g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- Internal
- 5 YEAR WARRANTY

Only 58mm diameter

VVP5212MDS

VVP5212MDF



Pan Rotation | Tilt Rotation | Horizontal Rotation

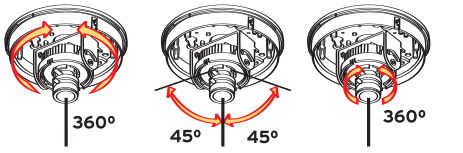
Concept Pro
VVP5212CM
Vandal Resistant Corner Dome Camera

The VVP5212CM is a cost effective miniature corner mount camera. The housing is made from a hardened polycarbonate which provides resistance against vandalism The unit features a tri-axis gimbal to enable free rotation of the built in lens.

Suitable for a wide range of applications, particularly where you have limited overhead space, such as Lifts, retail premises, restaurants and bars. The VVP5212CM is a discreet, low cost and reliable surveillance solution.

CCD	1/3"
Resolution	480 Lines
Sensitivity	0.3 Lux
Lens Size	3.8mm
Voltage	12VDC
Power Consumption	150mA/1.8W(max.)
Dimensions	85(W) x 85(H) x 65.8(D)mm
Weight	Approx. 430g

Other Features
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- 5 YEAR WARRANTY

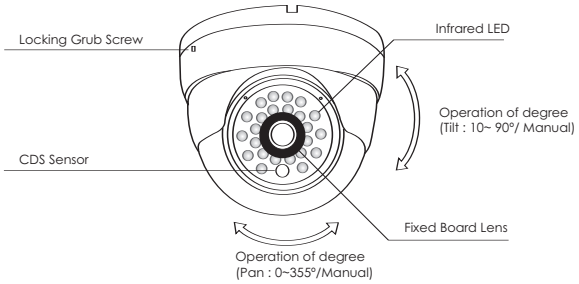


Pan Rotation | Tilt Rotation | Horizontal Rotation

Videcon
DSIRHR
Vandal Resistant IR Dome Camera

Designed for areas that are prone to attack, the DSIRHR is enclosed in a vandal resistant and weatherproof housing. The robust design of the DSIRHR makes it a highly visible camera that serves as an effective deterrent in hostile environments.

- CCD 1/3"
- Resolution 480 Lines
- Sensitivity Colour 0.1 Lux
- Sensitivity Mono 0 Lux
- Number of Infra Red LEDs 24
- IR Range 20m
- Lens Size 3.6mm
- Voltage 12V DC
- Power Consumption 1A
- Dimensions 93(Ø) x 80(H)mm
- Weight Approx. 540g



Other Features
- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Tri-Axis Gimbal

Videcon
DSIRHRV / DSIRHRV/S
Vandal Resistant IR Dome Camera

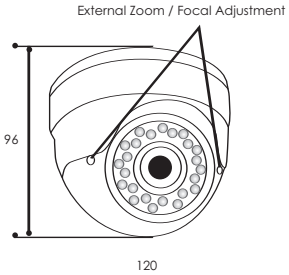
DSIRHRV

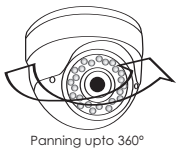
Designed for areas that are prone to attack, the DSIRHRV is enclosed in a vandal resistant and weatherproof housing. The robust design of the DSIRHRV makes it a highly visible camera that can act as a deterrent in hostile environments.

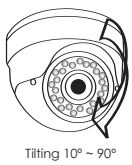
This high-resolution ball dome comes complete with 24 in-built IR LEDs and CDS sensor. Amongst a wide array of functions, the DSIRHRV features an external zoom/focal adjustment for ease of setup.

DSIRHRV/S

- CCD 1/3"
- Resolution Colour 540 Lines
- Resolution Mono 625 Lines
- Sensitivity Colour 0.1 Lux
- Sensitivity Mono 0 Lux
- Number of Infra Red LEDs 24
- IR Range 30m
- Lens Size 4-9mm Varifocal
- Voltage 12V DC
- Power Consumption 1A
- Dimensions 120(Ø) x 96(H)mm
- Weight Approx. 600g







Other Features
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Tri-Axis Gimbal

Sales: +44 (0)1924 528000 **Technical:** +44 (0)1924 528004 **Accounts:** +44 (0)1924 528006

Videcon

VB4112/3.6 / VB4112/2.45

Vandal Proof Camera

Enclosed in a hardened polycarbonate dome and IP65 weather-resistant casing, the VB4112 provides an effective, robust surveillance solution for a range of vehicle security applications.

The VB4112 features a 3.6mm or 2.45mm fixed lens as standard and is available in either a black or brushed steel finish. The unit comes complete with both standard and angled surface mount adaptors and can be easily installed on the ceiling or wall, surface or flush mounted.

CCD	1/3"
Resolution	380 Lines
Sensitivity	0.1 Lux
Lens Size	3.6mm or 2.45mm
Voltage	12V DC
Dimensions	55(Ø)mm
Weight	Approx. 600g

Other Features

- Vandal Resistant
- Surface Mounting Adapter
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- Available in brushed steel or black casing

Order Codes

VB4112/3.6	3.6mm Lens, Brushed Steel Case
VB4112/2.45	2.45mm Lens, Brushed Steel Case
VB4112/3.6-B	3.6mm Lens, Black Case
VB4112/2.45-B	2.45mm Lens, Black Case

Videcon

VB4112-SIDE / VB4112-SIDE-IR

Vandal Proof Camera

The VB4112-side is a high performance, vandal resistant side view camera. Designed specifically for the mobile security market, the camera can be installed easily on the wall or ceiling and can be mounted to face multiple directions on the vehicle.

Featuring a robust, IP67 waterproof casing the camera is particularly effective in harsh, demanding environments.

VB4112-SIDE

VB4112-SIDE-IR

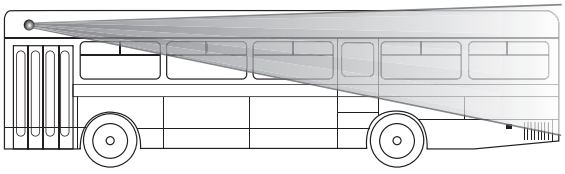
	VB4112-SIDE	VB4112-SIDE-IR
CCD	1/3"	1/3"
Resolution Colour	380 Lines	380 Lines
Sensitivity Colour	0.5 Lux	0.5 Lux
Sensitivity Mono	N/A	0.0 Lux (IR LED On)
Lens	3.6mm	3.6mm
Infra Red LED	N/A	Built-in
Voltage	12V DC	12V DC
Dimensions (WxHxD)	80 x 99 x 70mm	80 x 99 x 70mm

Other Features

- Auto Gain Control
- Back Light Compensation
- IP67 Rated
- Ceiling or wall mount

Example

The VB4112-SIDE and VB4112-SIDE-IR can be side-mounted and positioned to be able to view the entire length of a vehicle.



See pages 47 - 48 for more vehicle security products

Dummy Cameras

Videcon
VD9000
Dummy Body Camera

Dummy body camera c/w lens, matches Concept Pro camera range

Videcon
VD5314
Dummy Dome

Dummy dome casing to match VBP series white

Videcon
VD5112
Dummy Dome

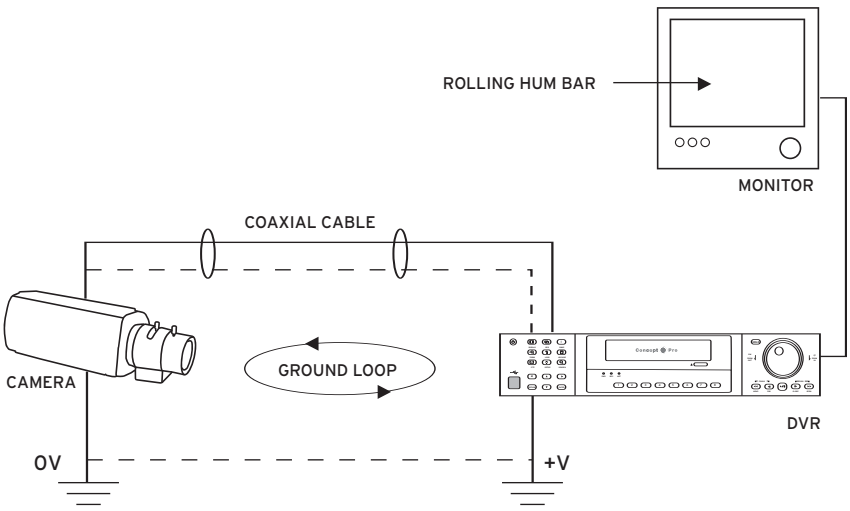
Dummy dome casing to match VBP series black

TECHNICAL TIPS

WHAT IS A GROUND LOOP?

A ground loop occurs when there is a potential difference between inter-connecting equipment such as the camera and DVR and is due to an imbalance in the power loading of the two systems. The potential difference causes a loop current to flow between the two inter-connecting items, and as a result any interfering source such as 50 Hz mains power is picked up by the ground current flowing through the braiding of the coaxial cable instead of it acting as a shield to protect the interfering source from entering the coaxial cable. See Figure below.

The 50 Hz mains power or hum is then passed on along with the wanted video signal from the camera and displayed on the monitor as a rolling hum bar



The Video Ground Loop Isolator should be installed at the CCTV Camera end by connecting the BNC Male connector of the Isolator to the camera and the BNC Male connector of the coaxial cable to the BNC Female connector on the Isolator. In a multi-camera installation it is recommended that a Video Ground Loop Isolator be installed for each camera.

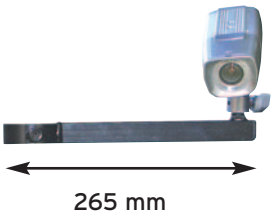
Sales: +44 (0)1924 528000 Technical: +44 (0)1924 528004 Accounts: +44 (0)1924 528006

Videcon
GE-GPMB38WHT

Girder/purling 38mm pole clamp, white

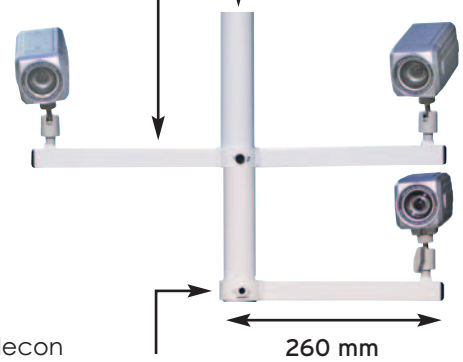
Videcon
GE-SCPM50BLK

Single static camera 50mm pole mount, Black
(Camera not included)



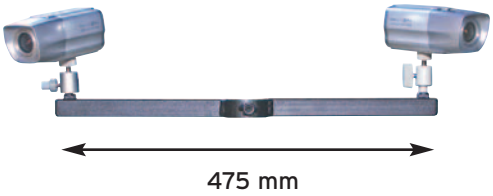
Videcon
GE-DCPM38WHT
Double static camera 38mm pole mount, white
(Cameras not included)

Videcon
GE-WP3M38
38mm white pendant pole, 3 metre



Videcon
GE-SCPM38WHT
Single static camera 38mm pole mount, white
(Camera not included)

Videcon
GE-DSPM50BLK
Double static camera 50mm pole mount, Black
(Cameras not included)



FOR FURTHER DETAILS ON THESE BRACKETS PLEASE REFER TO PAGE 60

Videcon
Brackets

VH6005

Medium internal/external heavy duty with locking tilt head, ivory plastic

VH605W

Small internal straight 3 piece leg to max 100mm extension with ball joint head, ivory steel

VH605SL

Small internal straight 3 piece leg to max 100mm extension with ball joint head, silver

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

PCAM05

Plug in PSU 12V DC 400mA with flying leads. Continuous rating.

PCAM1S

Switch mode PSU 12V DC 1 Amp. with flying leads

PCAM2

Switch mode PSU 12V DC 3 Amp. with flying leads. 110-240V AC supply

PCAM5

Switch mode PSU 12V DC 5.2Amp. with flying leads. 110-240V AC supply

DA651

24V 1 x 1 Amp ABS case

DA389/8

24V AC 8 x 1Amp output metal boxed

DA396

12V DC 4 x 1Amp fused output metal boxed

DA665-8-IP66

12V DC 8 X 0.5Amp fused output IP66 enclosure

ORDER CODE	DESCRIPTION
Videcon Power Supplies	
PCAM05	Plug-In PSU 12VDC 400mA with flying lead. Continuous rating white case
PCAM1S	Switch Mode PSU 12VDC 1 Amp. with flying leads.
PCAM2	Switch Mode PSU 12VDC 3 Amp. with flying leads. 110-240V AC Supply.
PCAM5	Switch Mode PSU 12VDC 5.2 Amp. with flying leads. 110-240V AC Supply.
PCAMPL	Jack plug 2.1mm moulded to 1.5 metre polarity identified cable. Suitable for all our 12VDC cameras
PCAMPL/4	Jack plug 2.1mm moulded to 1.5 metre polarity identified cable with 4 way splitter. Suitable for all our 12VDC cameras
15-AC24-1A	24V AC to 12V DC Convertor 800mA
Dantech Power Supplies	
DA341	24V AC/DC to 12V DC Convertor ABS boxes
DA376	24V AC 4 x 1Amp fused output metal boxed
DA377	24V AC 1 x 4Amp fused output metal boxed
DA381	24V AC 2 x 2Amp fused output metal boxed
DA389/8	24V AC 8 x 1Amp output metal boxed
DA396	12V DC 4 x 1Amp fused output metal boxed
DA398	12V DC 2 x 2 Amp fused output metal boxed
DA651	24V 1 x 1 Amp ABS case
DA665/4	12V DC 4 x 1Amp fused output metal boxed
DA665/8	12V DC 8 x 0.5Amp fused output metal boxed
DA667/4	12VDC 4 x 2Amp fused output metal box
DA667/8	12VDC 8 x 1Amp fused output metal box
DA667/16	12V DC 16 x 0.5Amp fused output metal boxed
DA665/1/IP66	12VDC 1 X 4Amp fused output IP66 enclosure
DA665/2/IP66	12VDC 2 X 2Amp fused output IP66 enclosure
DA665/4/IP66	12VDC 4 X 1Amp fused output IP66 enclosure
DA665/8/IP66	12VDC 8 X 0.5Amp fused output IP66 enclosure

If you can't find the Dantech PSU you require call us on 01924 528000

Uninterruptible Power Supplies

APC350	APC BACK UPS ES 350VA
APC500	APC BACK UPS ES 500VA
APC1000	APC BACK UPS RS 1000VA
APC1500	APC BACK UPS RS 1500VA

Concept Pro

Exclusive to Videcon, the Concept Pro lens range includes a wide variety of direct drive lenses. All Concept Pro lenses come with 2 years warranty.

Direct drive lenses contain a motor only and relies on the amplifier in the camera to control the iris motor in changing light conditions. They are supplied with a 'pana' connector that will plug into most cameras.

Concept Pro CVD308IR

- 1/3" 3.0-8.0mm F1.4 manual focus manual zoom varifocal, IR Compatible
- 2 YEAR WARRANTY

Concept Pro CVD358

- 1/3" 3.5-8.0mm F1.4 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD2812

- 1/3" 2.8-12.0mm F1.4 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD615

- 1/3" 6.0-15.0mm F1.4 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD1431

- 1/3" 1.4-3.1mm F1.0 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD1230

- 1/3" 12.0-30.0mm F1.4 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD660

- 1/3" 6.0-60mm F1.6 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Concept Pro CVD5100

- 1/3" 5.0-100mm F1.8 manual focus manual zoom varifocal
- 2 YEAR WARRANTY

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

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By Fax

Simply fax you order details on company headed paper to +44 (0)1924 528005.

Trade Counter

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Keep your eyes peeled and discover what www.videcon.co.uk has to offer

- Access the latest pricing information
- Produce your own estimates
- Shop online 24/7
- And much more....

Shop online 24/7

Concept Pro

VHSD-810EXT

Colour Internal High Speed Dome

Enclosed in a discreet, vandal-resistant and weatherproof housing, the VHSD-810EXT provides a reliable surveillance solution in the most hostile and demanding of environments.

The speed dome features an 10x optical zoom, autofocus lens and a 1/4 inch Sony ExView HAD interlaced CCD image sensor. It has an IR-cut filter that can be automatically or manually removed, depending on the light conditions. This enables the camera to capture color video in light conditions down to 0.7 lux, and black and white video in dark conditions as low as 0.02 lux.

CCD	1/4" Sony Exview
Resolution Colour	500 TVL
Resolution Mono	570 TVL
Sensitivity Colour	0.7 Lux
Sensitivity Mono	0.02 Lux
Lens Size	3.8 - 38mm
Digital Zoom	10x
Optical Zoom	10x
Voltage	12V DC
Power Consumption	0.8A
Dimensions (Without bracket)	115(Ø) x 4.5(H)"
IP Rating	IP66
Weight	3Kg

Concept Pro

Other Features

- True Day Night (ICR)
- Presets
- Pattern Tours
- Variable Speed Tracking
- Alarm Inputs
- Auto White Balance
- RS-485
- Auto Gain Control
- Back Light Compensation
- OSD
- Privacy Zones
- SDNR
- Flickerless
- 3 YEAR WARRANTY

- 12V DC PSU Required
  Recommended Power supply - PCAM2, see page 27

Ideal Applications

Car Parks

Train Stations

Airports

VHSD-810EXT Brackets

VHSD-810 WALL

VHSD-810 CORNER

VHSD-810 PENDANT

VHSD-810 TILE

VHSD-810 POLE

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

"What we have here is a fast, versatile and highly adaptable dome camera, suited to a very wide range of applications"

(Security Installer - March 2007)

Concept Pro

VHSD-870EXT / VHSD-970EXT

Day/Night External High Speed Dome

Suitable for a wide variety of outdoor surveillance applications, the VHSD-870EXT features 127 preset positions, 4 pattern tours, 8 privacy zones and 8 variable speed tracking functions. This wide array of features can be combined in to a single group function allowing virtually 'hands-free' operation once the group is activated.

8 alarm inputs and 4 alarm outputs at the head offer plenty of flexibility for connection of proximity sensors and other external equipment. Including support for Pelco P and Pelco D protocol, the VHSD-870EXT is fully compatible with the vast majority of control equipment available today.

Concept Pro

	VHSD-870EXT	VHSD-970EXT
CCD	1/4" Sony Exview	1/4" Sony Exview HAD
Resolution Colour	480 TVL	530 TVL
Resolution Mono	520 TVL	530 TVL
Sensitivity Colour	0.7 Lux	1.4 Lux
Sensitivity Mono	0.01 Lux	0.01 Lux
Lens Size	4.1 - 73.8mm	3.4 - 122.4mm
Digital Zoom	12x	12x
Optical Zoom	18x	36x
Voltage	24V AC	24V AC
Power Consumption	2.5A	2.5A
Dimensions (Without bracket)	214(Ø) x 230(H)mm	214(Ø) x 230(H)mm
IP Rating	IP66	IP66
Weight	3.4Kg	3.4Kg

Other Features

- True Day Night (ICR)
- Presets
- Pattern Tours
- Variable Speed Tracking
- Alarm Inputs
- Auto White Balance
- RS-485
- Auto Gain Control
- Back Light Compensation
- Wide Dynamic Range (VHSD-970EXT Only)
- OSD
- Privacy Zones
- SDNR (VHSD-970EXT Only)
- Flickerless
- 3 YEAR WARRANTY

Interested in a Demonstration?

All members of our field sales team have a fully operational VHSD-870EXT unit to hand, so they can are able to give you a comprehensive product demonstration on site or at your premises. Please call our sales team on +44 (0)1924 528000 to arrange an appointment.

Connect to the VHSD external high speed demo site at www.videcon.co.uk

VHSD Brackets & Accessories

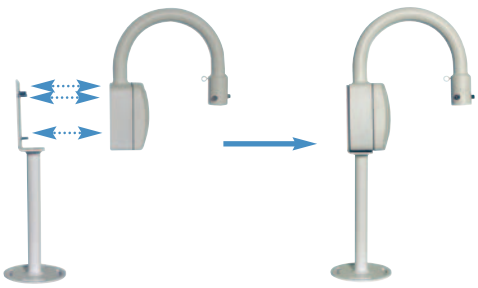
VHSD-PENDANT

VHSD-CORNER MOUNT

VHSD-SWAN/Y

VHSD-POLE CLAMP

VHSD-/SNA



VHSD-SNA

The VHSD-870EXT & VHSD-970EXT wall bracket fits easily to the VHSD-/SNA to form a pole swan-neck bracket.

Concept Pro
VA-KBDPRO+
Control Keyboard

The VA-KBDPRO+ is a cost effective and compact tri-axis controller which can control many different types of speed domes, mini pan/tilt cameras and pan/tilt heads. The unit can also control one or more VXM4 digital recorders to form the central control point of a multi camera/DVR system.

- 3 axis PTZ controller
- Compact & ergonomic design
- Multi protocol support including Pelco-D & Pelco-P
- Mixed protocol & baud rate support for each device
- Back lit display
- Controls VXM4 digital recorder range (see pages 39-42)

Concept Pro

Interested in a Demonstration?
Call +44 (0)1924 528000 for details

RX100/VIDECONHSD
Up the Coax Receiver Box

- Interface unit to allow control of the dome using BBV up the coax telemetry
- Requires BBV Keyboard

VHSD-PSUEXT
3 AMP 24V AC Boxed PSU

- External IP rated power supply unit 24V AC

Videcon
VA-MAT162
Matrix

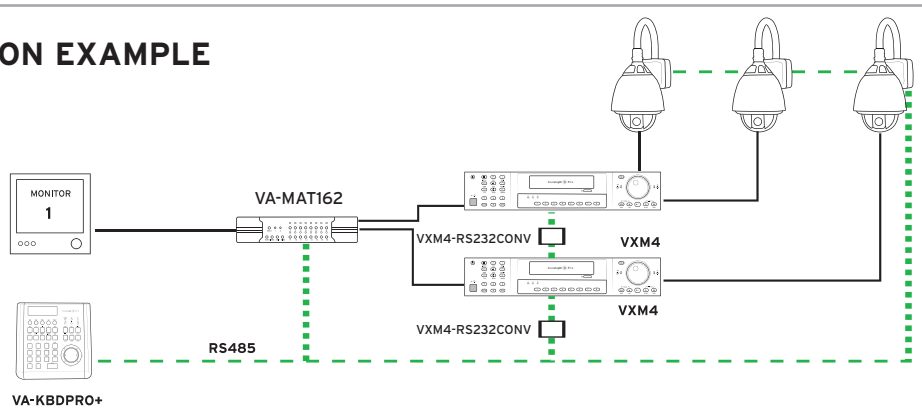
The VA-MAT162 is a compact matrix system which can switch 16 video inputs to 1 or 2 monitor outputs. It is controlled either from the front panel or via RS-485 by a VA-KBDPRO+ PTZ keyboard. As well as individual channel to monitor selection, the VA-MAT162 has a user defined sequence mode with adjustable dwell time and options to exclude particular channels from the sequence.

- 16 inputs, 2 outputs
- Sequence mode
- PSU included
- Dimensions: 210mm(W) x 45mm(H) x 155mm(D)

Videcon
VXM4-RS232CONV
RS485-RS232 Converter

- Compact RS485-RS232 converter
- Allows a VXM4 digital recorder to be directly controlled from a VA-KBDPRO+

APPLICATION EXAMPLE



Introduction to IP

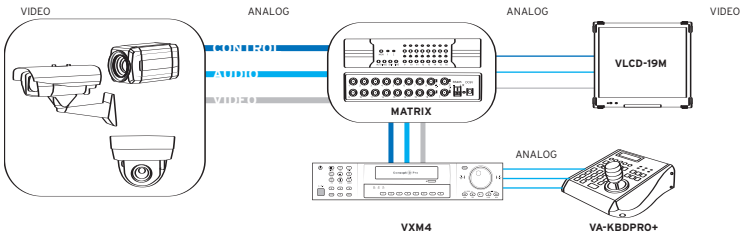
Conventional Analogue CCTV System

Brief system outline

- All cameras are run centrally to one DVR or matrix
- System relies heavily on the use of Coax cable which is bulky, costly to install and expensive to relocate
- Analogue systems are susceptible to electical noise and other external influences

Why do we continue to use this system?

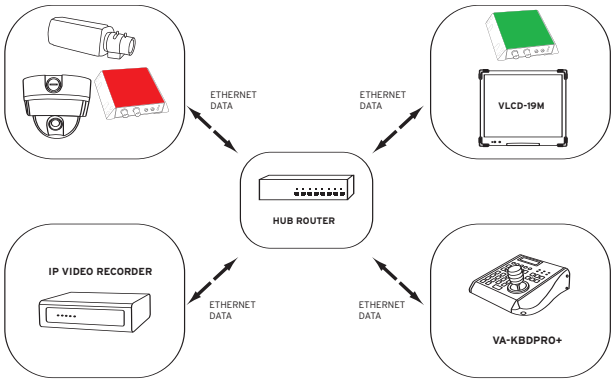
- IP cameras were traditionally slow and had bad image quality
- IP devices were seen as difficult to install
- There was no complete IP solution that could replace an analogue system completely



Now we have new IP solutions

What's different?

- New chip and software designs ensure reliability, speed and quality
- New video compression algorithms cut down on network bandwidth load
- Existing network cabling can be used - in many cases there is no need for new cabling
- Not subject to external interference
- All components are now available to replace a complete analogue system
- Easily scaleable



IP Product range

- Fixed domes and body cameras
- Speed domes
- Video servers to make use of existing analogue cameras
- Decoders to convert IP signals back to analogue for use with existing DVRs or monitors
- Recording solution to record and playback IP on a dedicated PC

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Concept Pro

VVP9324IPDN

IP Anti-Vandal Dome Camera

The VVP9324IPDN Fixed Dome Camera is a high-performance & intelligent camera for professional indoor or outdoor surveillance and remote monitoring. It offers a convenient, compact and cost-efficient solution with highly intelligent functions.

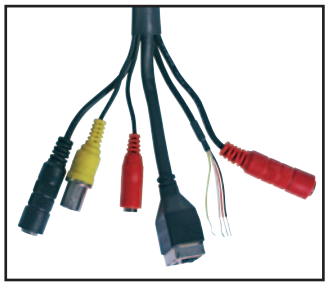
The VVP9324IPDN allows for easy and flexible installation on a wall or ceiling surface and versatile 3 axis adjustment by panning, tilting and rotating the vari-focal lens to any camera angle.

The VVP9324IPDN provides two-way audio support, including the option of using a built-in microphone. This enables remote users not only to view, but also to listen in on an area and communicate orders or requests to visitors or intruders. Thanks to its high-quality image sensor with WDR and Day & Night as well as advanced image processing, this camera delivers crisp and clear images also in poorly illuminated or low-light conditions.

Supported by the superior video management software, the VVP9324IPDN provides the perfect solution for securing shops and stores, schools, banks and other office buildings over the local area network or across the Internet.

The VVP9324IPDN also supports hardware based motion detection based on a 24x15 grid. On motion detection, the camera can trigger an alarm output or audio alert. These functions are built in to the camera hardware and are totally independent of a PC system.

And, for advanced applications, an SDK is freely available to developers wishing to customise the advanced functions of the VVP9324IPDN and incorporate them in to their own applications.

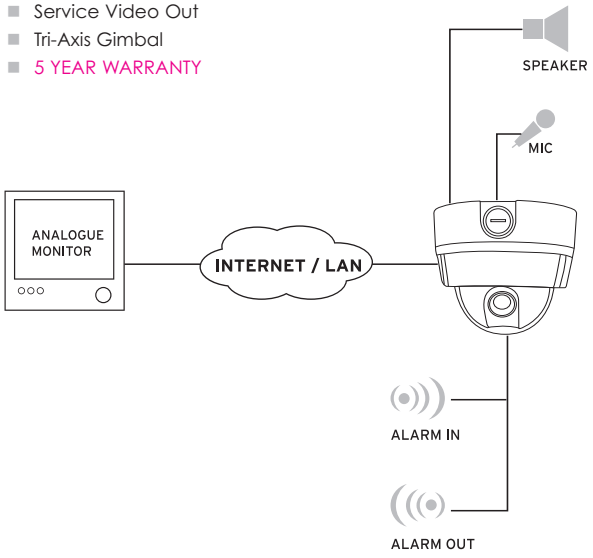


- Compact & Stable IP Dome Camera
  - Embedded Linux-based
  - Compact Size: 100 ø x 130 mm
  - WDR, Day and Night
- High Frame Rate with Superior Video Quality
  - MPEG4 and MJPEG selectable to optimize Quality & Bandwidth
  - High speed : 30 fps at 720 x 480, 25 fps at 720 x 576
  - Various Image Resolution 720 x 480, 320 x 258
  - Bidirectional Audio support
  - Max. 20 users Simultaneously
- Powerful Features
  - H/W based Moving Object Detection
  - Flexible Sector Masking using 24 x15 Matrix
  - Various Event Handling: Alarm Out, Audio Out
  - 1 CH. Loop-Through out for DVR, VCR & etc.
  - Built-in Sensor IO: 1 In/1 Out
- Various Software Support
  - Web Viewer
  - Pure web browser-based Monitoring
  - PTZ control, Motion detection setup and etc.
  - Remote Settings and Firmware Upgrading
  - Multi-view & Record application (i-Pro)
  - Simultaneous Monitoring & Recording up to 16 Ch.
  - Event Recording by Schedule, Alarm, Motion
  - Automatic HDD Shift in Recording Mode.
  - SDK (Software Development Tool Kit) support
- Wide Connectivity Support
  - Static, Dynamic, PPPoE Support
  - Dynamic IP Support with DDNS

CCD	1/3"
Resolution	550 Lines
Sensitivity Colour	0.3 Lux
Sensitivity Mono	0.1 Lux
Lens Size	2-9-10mm Varifocal
Voltage	12V DC / 24V AC
Power Consumption	420mA
Dimensions	100(Ø)x101(H)
Weight	Approx. 844g

Other Features

- True Colour Mono (ICR)
- Auto White Balance
- Auto Gain Control
- Back Light Compensation
- Flickerless
- IP65
- Service Video Out
- Tri-Axis Gimbal
- 5 YEAR WARRANTY



Concept Pro

VHSD-810IPEXT

IP Mini Speed Dome Camera

The VHSD-810IPEXT is designed particularly for indoor and outdoor applications. Enclosed in a discreet, vandal resistant weatherproof housing the VHSD-810IPEXT lends itself to the most hostile and demanding environments.

The speed dome features an 10x optical zoom, autofocus lens and a 1/4 inch Sony ExView HAD interlaced CCD image sensor. It has an IR-cut filter that can be automatically or manually removed, depending on the light conditions. This enables the camera to capture color video in light conditions down to 0.7 lux, and black and white video in dark conditions as low as 0.02 lux.

Due to our Micro-stepping technology, the speed dome can move to any positions at up to 360°/s as well as ultra low speed down to 0.05°/s. It covers continuous 360° panning and 90° tilting range and features 128 preset positions and 8 Groups, 4 Pattern, 4 VST functions and 4 privacy zones.

The web viewer application included with the VHSD-810IPEXT allows complete camera control and access to all the camera settings.

CCD	1/4" Sony Exview
Resolution Colour	500 TVL
Resolution Mono	570 TVL
Sensitivity Colour	0.7 Lux
Sensitivity Mono	0.02 Lux
Lens Size	3.8 - 38mm
Digital Zoom	10x
Optical Zoom	10x
Voltage	12V DC
Power Consumption	0.8A
Dimensions (Without bracket)	115(Ø) x 4.5(H)"
IP Rating	IP66
Weight	3Kg

Other Features

- True Colour Mono (ICR)
- Presets
- Pattern Tours
- Variable Speed Tracking
- Alarm Inputs
- Auto White Balance
- RS-485
- Auto Gain Control
- Back Light Comepnsation
- OSD
- Privacy Zones
- SDNR
- Flickerless
- Minimum Park Zone
- 1 Second Scheduling
- 3 YEAR WARRANTY

- 12V DC PSU Required
  Recommended Power supply - PCAM2, see page 27
- See page 30 for a selection of brackets

Compact & Stable IP Video Server

- Embedded Linux Based

High Frame Rate with Superior Video Quality

- MPEG4 and MJPEG selectable to optimize Quality & Bandwidth
- 25 fps at 720x576 or 352 x 288
- Supports a maximum of 20 simultaneous users

Powerful Features

- Hardware based motion detection using a 24 x 15 definable matrix
- Hardware based Moving Object Tracking with auto zoom, adjustable sensitivity and oscillating object rejection
- 360 degree panoramic map generation with intuitive PTZ control
- On screen virtual joystick

Software Support

- Pure web browser-based monitoring with PTZ control, motion detection and tracking and administration tools

Wide Connectivity Support

- Static IP, Dynamic IP Support with DDNS, PPPoE

Interested in a Demonstration?

Call +44 (0)1924 528000 for details

IP Training with Videcon

As IP CCTV is rapidly growing in popularity, Videcon has devised an in-house training program dedicated to IP and future technologies. For further information please contact Amanda Johnson on +44 (0)1924 528000 or email ajohnson@videcon.co.uk.

- Understanding Networking
- Patch panels and cabling
- Hubs, Switchers and Routers
- Firewalls and Security
- Connecting DVR's to networks
- Network Cameras
- Decoders and Encoders
- Fault finding and diagnostics

Concept Pro

VHSD-870IPEXT

IP Speed Dome Camera

The IP Speed Dome Camera is designed particularly for outdoor surveillance with remote monitoring and control applications. It provides high quality Motion JPEG and MPEG-4 video, with remote pan, tilt and zoom control over IP networks.

The speed dome features an 18x optical zoom, autofocus lens and a 1/4 inch Sony ExView HAD interlaced CCD image sensor. It has an IR-cut filter that can be automatically or manually removed, depending on the light conditions. This enables the camera to capture color video in light conditions down to 0.7 lux, and black and white video in dark conditions as low as 0.01 lux.

Due to our Micro-stepping technology, the speed dome can move to any positions at up to 360°/s as well as ultra low speed down to0.05°/s. It covers continuous 360° panning and 90° tilting range and features 128 preset positions and 8 Groups, 4 Pattern, 4 VST functions and 8 privacy zones.

The web viewer application included with the VHSD-870IPEXT allows complete camera control and access to all the camera settings.

	VHSD-870EXT
CCD	1/4" Sony Exview
Resolution Colour	480 TVL
Resolution Mono	520 TVL
Sensitivity Colour	0.7 Lux
Sensitivity Mono	0.01 Lux
Lens Size	4.1 - 73.8mm
Digital Zoom	12x
Optical Zoom	18x
Voltage	24V AC
Power Consumption	2.5A
Dimensions (Without bracket)	214(Ø) x 230(H)mm
IP Rating	IP66
Weight	3.4Kg

Other Features

- True Day Night (ICR)
- Presets
- Pattern Tours
- Variable Speed Tracking
- Alarm Inputs
- Auto White Balance
- RS-485
- Auto Gain Control
- Back Light Compensation
- OSD
- Privacy Zones
- Flickerless
- Minimum Park Zone
- 1 Second Scheduling
- 3 YEAR WARRANTY

Compact & Stable IP Video Server

- Embedded Linux Based

High Frame Rate with Superior Video Quality

- MPEG4 and MJPEG selectable to optimize Quality & Bandwidth
- 25 fps at 720x576 or 352 x 288
- Supports a maximum of 20 simultaneous users

Powerful Features

- Hardware based motion detection using a 24 x 15 definable matrix
- Hardware based Moving Object Tracking with auto zoom, adjustable sensitivity and oscillating object rejection
- 360 degree panoramic map generation with intuitive PTZ control
- On screen virtual joystick

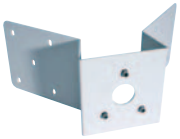
Software Support

- Pure web browser-based monitoring with PTZ control, motion detection and tracking and administration tools

Wide Connectivity Support

- Static IP, Dynamic IP Support with DDNS, PPPoE

VHSD-PENDANT

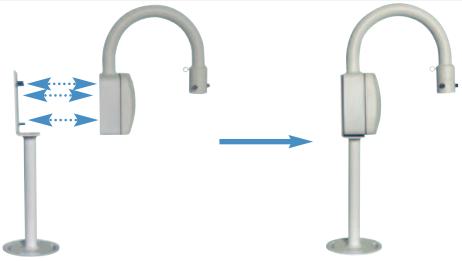


VHSD-CORNER MOUNT

VHSD-SWAN/Y

VHSD-POLE CLAMP

VHSD-/SNA



VHSD-SNA

The VHSD-870IPEXT wall bracket fits easily to the VHSD-/SNA to form a pole swan-neck bracket.

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

The VIP-R200 is a compact single channel video server which accepts a standard coax camera input and converts it to an MPEG4 or MJPEG video stream for Internet and LAN transmission.

It offers features including motion detection, motion tracking (when used with a Concept Pro or other compatible speed dome), alarm I/O, two way audio and precise PTZ control using the on-screen virtual joystick. It also supports panoramic map generation to provide the operator with a global overview of speed dome coverage and quick access to pre-programmed preset positions.

The VIP-0200 is a 4 channel version of the VIP-R200 offering all the same features but without motion tracking.

The VIP-G200 is a compact single channel video decoder which can connect to one or more IP video servers and convert the MPEG4 or MJPEG stream back to a conventional coax output for use with a remote monitor or DVR.

It supports 2 way audio, alarm I/O, and also connection for a standard PTZ keyboard to allow remote control of a speed dome over IP. The VIP-G200 can connect to a maximum of 10 other IP devices and provides a single sequence output, definable by the user.

Both units are based on a stable embedded Linux platform, support resolutions of up to 720 x 576 @ 25FPS and are easily accessed and administered using Internet Explorer or other compliant web browser.

Software development kits are available for those wishing to integrate the VIP range in to their own software applications.

Videcon
VIP-R200
Network Video Server

Compact & Stable IP Video Server
- Embedded Linux Based
- Compact Size: 100 x 117.5 x 27 mm

High Frame Rate with Superior Video Quality
- MPEG4 and MJPEG selectable to optimize Quality & Bandwidth
- 25 fps at 720x576 or 352 x 288
- Bidirectional Audio support
- Supports a maximum of 20 simultaneous users

Powerful Features
- Hardware based motion detection using a 24 x 15 definable matrix
- Hardware based Moving Object Tracking with auto zoom, adjustable sensitivity and oscillating object rejection
- 1 alarm input and 1 output
- 360 degree panoramic map generation with intuitive PTZ control
- On screen virtual joystick

Software Support
- Pure web browser-based monitoring with PTZ control, motion detection and tracking and administration tools
- Simultaneous Monitoring & Recording for up to 16 Ch with event recording by Schedule, Alarm or Motion

Wide Connectivity Support
- Static IP, Dynamic IP Support with DDNS, PPPoE

Videcon
VIP-G200
Network Video Decoder

Compact & Stable IP Video Decoder
- Embedded Linux Based
- Compact Size: 100 x 117.5 x 27 mm

High Frame Rate with Superior Video Quality
- Hardware MPEG4 & MJPEG decoding
- 25 fps at 720x576
- Bidirectional audio support

Powerful Features
- Connect up to 10 IP Video devices.
- Auto Scan function with definable interval between 5 & 30 seconds
- Auto scene change and alarm output activation triggered by remote motion detection or alarm inputs on other IP devices
- Auto IP Search Function for local IP Video devices
- OSD function
- Supports Pelco-D compatible keyboards for remote telemetry control
- 1 Alarm Input and 1 Output
- Easily accessed by using a web browser

Wide Connectivity Support
- Static IP, Dynamic IP Support with DDNS, PPPoE

Videcon
VIP-0200
Network Video Server

Compact & Stable IP Video Server
- Embedded Linux Based
- Compact Size: 100 x 175.5 x 27 mm

High Frame Rate with Superior Video Quality
- MPEG4 and MJPEG selectable to optimize Quality & Bandwidth
- 25 fps at 720x576 or 352 x 288
- Bidirectional Audio support
- Supports a maximum of 20 simultaneous users

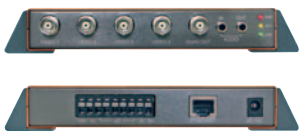
Powerful Features
- Hardware based motion detection using a 24 x 15 definable matrix
- 2 alarm input and 2 output

Software Support
- Pure web browser-based Monitoring
- Simultaneous Monitoring & Recording for up to 16 Ch with event recording by Schedule, Alarm or Motion

Wide Connectivity Support
- Static IP, Dynamic IP Support with DDNS, PPPoE

VIP-R200 / VIP-G200

VIP-0200



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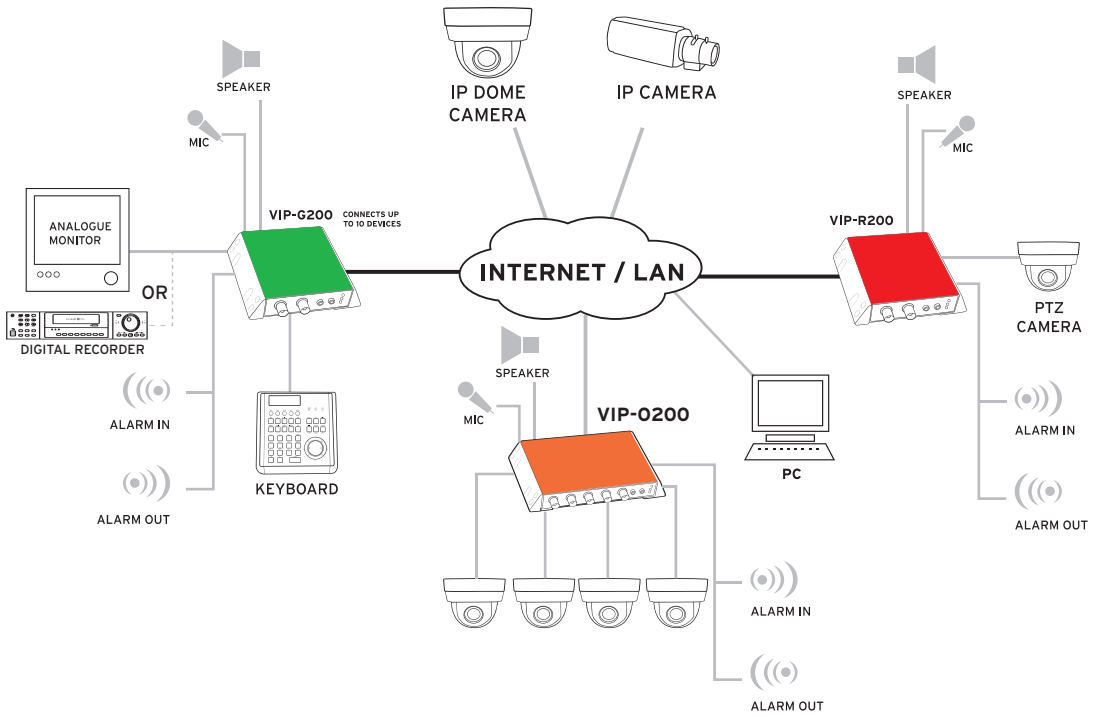


Videotec

HPV42K2A016 VERSO

VERSO Housing Adapted to fit IP Camera's IP44 Rated

- Indoor/outdoor
- Entirely made of technopolymer (polycarbonate)
- Side opening, easy camera servicing
- Weatherproof standard IP66 (with cable glands or optional sealing rings)
- Good resistance to impacts
- Different mounting options:
  Standard bracket or cable management bracket or P&T
- Patented
- 12V DC/24 AC heater
- 24V AC blower with double air exchange filter

Videotec

HOV32K

HOV Housing Adapted to fit IP Camera's IP44 Rated

- Indoor / Outdoor installations
- Side opening, easy camera servicing
- Weatherproof standard IP66 (with cable glands or with optional sealing rings)
- Built-in wiper option
- Different mounting options:
  Standard bracket, cable management bracket or P&T

ORDER CODE	DESCRIPTION
VIDEOTEC VERSO HOUSING ADAPTED TO FIT IP CAMERA'S IP44 RATED	
HPV42K2A016	VERSO 420mm housing with sunshield, heater and blower 24VAC with double filter for air exchange
HPV42K0A017	VERSO 420mm housing with sunshield and blower 12VDC with double filter for air exchange
HPV42K2A017	VERSO 420mm housing with sunshield, heater and blower 12VDC with double filter for air exchange
OHPVCF3	Blower kit with thermostat and air filter 230VAC, with wide range power supply 100-240VAC/12VDC,1A
VIDEOTEC HOV HOUSING ADAPTED TO FIT IP CAMERA'S IP44 RATED	
HOV32K0A016	HOV 300mm housing with sunshield and blower 24VAC with double filter for air exchange
HOV32K2A016	HOV 300mm housing with sunshield, heater and blower 24VAC with double filter for air exchange
HOV32K0A017	HOV 300mm housing with sunshield and blower 12VDC with double filter for air exchange
HOV32K2A017	HOV 300mm housing with sunshield, heater and blower 12VDC with double filter for air exchange
HOV32K0A018	HOV 300mm housing with sunshield and blower 230VAC with double filter for air exchange
HOV32K1A018	HOV 300mm housing with sunshield, heater and blower 230VAC with double filter for air exchange
HOV32K0A147	HOV housing 300mm with sunshield, blower 24VAC with double filter for air exchange and built-in wiper 24VAC

THE VXM4 RANGE

Concept Pro

VXM4 Range

Digital Recording System

Concept Pro

100 FPS

The highly acclaimed VXM4 DVR provides a high performance, reliable recording solution which will integrate seamlessly with fully functional dome cameras, control keyboards and a wide range of display monitors. The standard VXM4 unit is available in 4, 8 and 16 channels and offers up to 1.5Tb storage. The new VXM4 16 channel Real-time unit (overleaf) offers up to 2Tb internal storage.

- Enhanced Graphical User Interface (GUI)
- Enhanced Recording
- Two Way Audio
- Remote Connection
- Back-up
- Comprehensive recording setup
- Telemetry control
- Extensive monitor support
- Live display
- Configuration backup
- EMAIL Support
- Jog Shuttle
- Mouse Control
- 3 YEAR WARRANTY

Two new ways to control the VXM4

Mouse Control

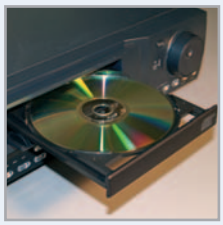
The unit now offers the additional benefit of mouse control, making it quicker and easier to navigate through the on screen display menu and search facilities.

Qeeps™ Remote viewing from your mobile phone

The VXM4 range is compatible with QeepsTM - A revolutionary new service that allows you to connect to your DVR from your mobile phone, reliably, from anywhere in the world. (See page 43)

Interested in a Demonstration? Call +44 (0)1924 528000 for details

SPOT MONITOR



DVD-RW

USB PORT

SIMPLE GRAPHICAL USER INTERFACE

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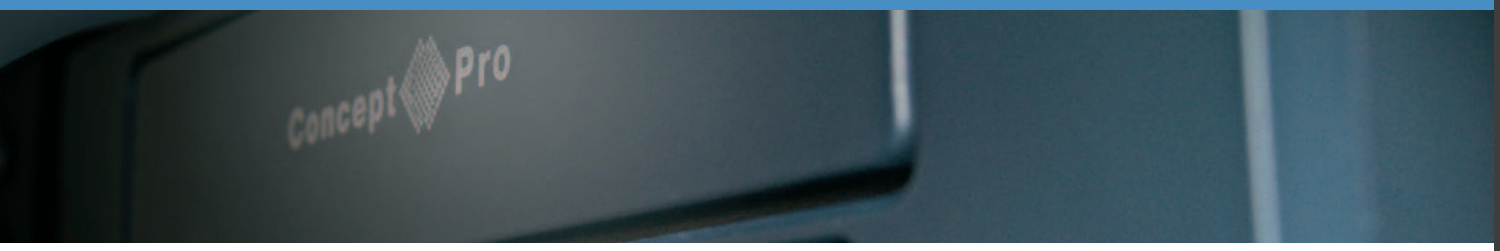


REALTIME

Introducing the new 16 channel real-time digital recorder

400 FPS

In addition to offering all the advanced functionality of the standard 16 channel VXM4, the VXM4-RT16 provides added benefits including:

- Real Time 400fps Record rate
- High Resolution VGA Main Monitor Output
- Intuitive Alarm Handling with user defined linked events
- Simultaneous Live and Playback view.
- Up to 2Tb Internal Storage.
- USB mouse control
- DVD-RW, USB and Network Archive
- Smart search playback.
- Thumbnail Search
- Snapshot email
- Full remote configuration
- User definable Spot / Main Monitor Multi Screen Displays.
- Archive to internal Storage.

Typical Configuration Screens

Video Pop up on event

Multiple custom sequence modes

Panoramic playback search

Advanced recording setup

Advanced user rights

Museum Search

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

PROGRAMMING THE VXM4

BY HAND

USB STICK

REMOTE PROGRAMMING

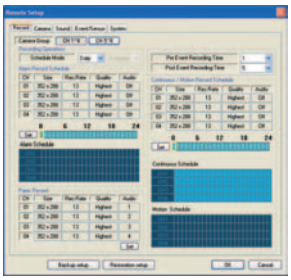
REMOTE CONNECTION

The software included to connect a VXM4 over a Local Area Network or the Internet provides access to virtually all functions available from the front panel of the VXM4, such as live viewing and playback, archiving of live or historic footage and VXM4 configuration.

With additional features such as multiple VXM4 connections, two way audio transmission, and the ability to remotely trigger VXM4 alarm outputs, the remote client software can easily be configured to form the basis of a simple remote monitoring station.

VXM4 settings can be uploaded to a local PC file and can then be used to configure additional VXM4 units allowing rapid remote deployment of multiple VXM4s in the field.

To download the software and connect to our demonstration site, please visit www.videoncctv.net/vxm4



Attention - A router is required to connect the VXM4 to the internet.

RECORDING TIMES

VXM4B Recording Times *

	160GB	250GB	500GB	750GB	1TB	1.5TB
4ch 25FPS	4d 19h	7d 12h	15d 0h	22d 12h	30d 0h	-
8ch 13FPS	4d 18h	7d 11h	14d 22h	22d 9h	29d 20h	44d 19h
16ch 7FPS	3d 4h	4d 23h	9d 22h	14d 21h	19d 20h	29d 18h

	160GB	250GB	500GB	750GB	1TB	1.5TB
4ch 13FPS	7d 18h	12d 4h	24d 7h	36d 10h	48d 14h	-
8ch 7FPS	6d 8h	9d 22h	19d 20h	29d 18h	39d 16h	59d 12h
16ch 3FPS	3d 19h	5d 22h	11d 20h	17d 19h	23d 17h	35d 14h

VXM4B Realtime Recording Times *

	1000GB	1500GB	2000GB
16ch 25FPS	7d 12h	11d 5h	15d 0h

Interested in a Demonstration?

Call +44 (0)1924 528000 for details

* These are estimated recording times and may vary dependant on application

Visit www.videcon.co.uk to download a recording calculator for the VXM4

Concept Pro
VA-KBDPRO+
Remote Control Keyboard

The VA-KBDPRO+ is a compact tri-axis PTZ controller which can control all features available on the VXM4 digital recorder. The VA-KBDPRO+ features built-in telemetry control and a 3 axis joystick, which enables an operator to easily control the pan, tilt and zoom functionality of any camera connected either directly or via the VXM4.

- 3 axis PTZ controller
- Compact & ergonomic design
- Multi protocol support including Pelco-D & Pelco-P
- Mixed protocol & baud rate support for each device
- Back lit display
- Can be operated at a distance of 300 metres from the VXM4

Videcon
VA-MAT162
Matrix

The VA-MAT162 is a compact matrix system which can switch 16 video inputs to 1 or 2 monitor outputs. It is controlled either from the front panel or via RS-485 by a VA-KBDPRO+ PTZ keyboard. As well as individual channel to monitor selection, the VA-MAT162 has a user defined sequence mode with adjustable dwell time and options to exclude particular channels from the sequence.

The VA-MAT162 can be used with multiple VXM4 digital recorders to form the basis of complex surveillance system, with up to 256 speed dome cameras and 16 VXM4 16 channel DVRs, all controlled centrally by a single VA-KBDPRO+

- 16 inputs, 2 outputs
- Sequence mode
- PSU included
- Dimensions: 210mm(W) x 45mm(H) x 155mm(D)

Concept Pro
VXM4-RS232CONV
RS485-RS232 Converter

- Compact RS485-RS232 converter
- Allows a VXM4B-4 channel digital recorder to be directly controlled from a VA-KBDPRO+. Not required for 8 and 16 channel.

Videcon
VXM4B MOUSE
USB Mouse

- USB mouse to control the VXM4B-8 and VXM4B-16

VXM4 Order Codes

VXM4B-4	4 CHANNEL RECORDER
VXM4B-4/160	4 Channel with 160Gb HDD
VXM4B-4/250	4 Channel with 250Gb HDD
VXM4B-4/500	4 Channel with 500Gb HDD
VXM4B-4/750	4 Channel with 750Gb HDD
VXM4B-4/1000	4 Channel with 1000Gb HDD

VXM4B-8	8 CHANNEL RECORDER
VXM4B-8/160	8 Channel with 160Gb HDD
VXM4B-8/250	8 Channel with 250Gb HDD
VXM4B-8/500	8 Channel with 500Gb HDD
VXM4B-8/750	8 Channel with 750Gb HDD
VXM4B-8/1000	8 Channel with 1000Gb HDD
VXM4B-8/1500	8 Channel with 1500Gb HDD

VXM4B-16	16 CHANNEL RECORDER
VXM4B-16/160	16 Channel with 160Gb HDD
VXM4B-16/250	16 Channel with 250Gb HDD
VXM4B-16/500	16 Channel with 500Gb HDD
VXM4B-16/750	16 Channel with 750Gb HDD
VXM4B-16/1000	16 Channel with 1000Gb HDD
VXM4B-16/1500	16 Channel with 1500Gb HDD

VXM4B-RT-16	16 CHANNEL REALTIME RECORDER
VXM4B-RT16/1000	16 Channel with 1000Gb HDD
VXM4B-RT16/1500	16 Channel with 1500Gb HDD
VXM4B-RT16/2000	16 Channel with 2000Gb HDD

Visit the VXM4 download page at www.videcon.co.uk

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

Remote viewing from your mobile phone

The VXM4 range is compatible with QeepsTM - A revolutionary new service that allows you to connect to your DVR from your mobile phone, reliably, from anywhere in the world.

Qeeps License Feature Comparison Table

Feature	Qeeps Watch	Qeeps Guard	Qeeps Professional
Monitoring Frequency	20 Minutes	3 Minutes	1 Minute
Live Viewing	Yes	Yes	Yes
Startup/Shutdown Notifications	Yes	Yes	Yes
Notification Chain Size	3	Unlimited	Unlimited
Notification Playback	Yes	Yes	Yes
Free Email Support	Yes	Yes	Yes
Remote Phones Allowed	1 to 3	1 to 20	1 to 50
Query Playback	No	Yes	Yes
Relay Control	No	Yes	Yes
PTZ Control	No	Yes	Yes
Notification Loop/Repeat	No	No	Yes
Custom Notifications	No	No	Yes
Camera Tour Mode	No	No	Yes
User Security Levels	No	No	Yes
Video Session Cap	No	No	Yes
Access Override	No	No	Yes
Management Report	No	No	Yes
Annual Payment Inc. discount and telephone support	No	No	Yes

Monthly Tariffs

Qeeps customers can sign up to any one of the following tariffs, based on a 12 month contract

	Qeeps Basic 10	Qeeps Value 20	Qeeps Power60
Monthly Service Charge	£7.49	£11.49	£24.49
Free viewing minutes included (per second charging)	10	20	60
Additional Minutes Viewing Charge (per second charging)	55p per minute	45p per minute	42p per minute

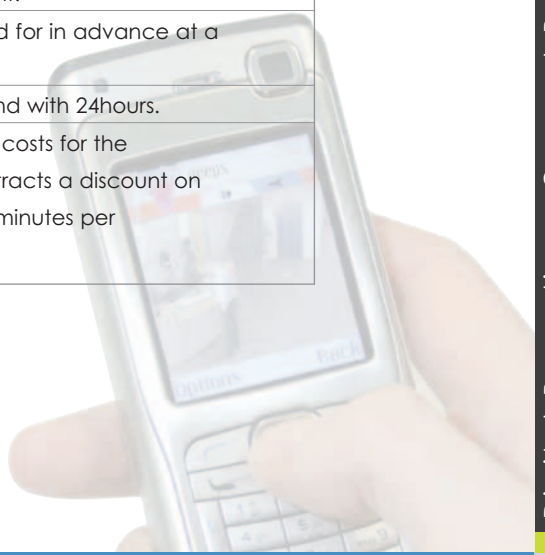
Notifications

All notifications are charged as per the following table, irrespective of tariff

Voice Phone Notification	30p per minute
SMS/Wap Notification	£0.15
E-mail Notification	£0.06

Feature Definitions Table

Feature	Definition
Monitoring Frequency	Qeeps™ periodically checks that customer's DVRs are responding. The monitoring frequency is the interval at which Qeeps™ aims to check the DVR.
Live Viewing	The ability to view live from, and switch between, cameras connected to the DVR.
Startup/Shutdown	Some DVRs inform the Qeeps™ platform when they startup
Notifications	and when they shutdown. Customers can configure notifications to be sent to them when these event occur.
Notification chain size	This feature determines how many notification steps can be configured by the customer. QeepsTM follows these notification steps when an alert is received from the DVR.
Notification Loop/Repeat	Customers can configure QeepsTM to repeat a series of notifications until the notification is acknowledged.
Notification playback	Customers can choose to start video playback in order to view a specific event.
Custom Notifications	Custom notifications fall outside of the usual notification methods and can be arranged by QeepsTM
Camera Tour Mode	Customers can select a tour when viewing the video and Qeeps™ will switch between cameras on the tour .
Query playback	Search and playback all recorded video on the DVR.
Relay Control	The ability to use the handset to switch electrical relays, integrated in the DVR, on and off.
PTZ Control	The ability to use the handset in order to control PTZ cameras. Functions are Up, Down, Left, Right, Zoom-in, Zoom-Out, Stop and preset selection.
Remote phones allowed	The number of handsets allowed to connect to a DVR.
User security levels	Customer can configure which DVRs and which cameras can be accessed by certain users and whether each user can control relays and PTZ where applicable.
Video Session Cap	This feature allows an automatic cut off to be applied when users have viewed video for a set length of time in order to avoid wasted minutes.
Access override	If the main account user attempts to connect to a DVR but someone is already connected, they can choose to disconnect the other person so that they can gain access to the DVR themselves.
Management Report	A detailed report of activity on an account.
Bulk Minutes	Viewing minutes can be ordered and paid for in advance at a cheaper per minute price
Free Email Support	Email support is free and we aim to respond with 24hours.
Annual Payment Inc. discount and telephone support	The customer can choose to pay all fixed costs for the annual term in advance. This payment attracts a discount on the annual fixed costs and also allows 20 minutes per calendar month free telephone support.



Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

The DMR4-MPEG4 is an easy to use, functional recording device that produces high quality images and offers up to 500Gb storage capacity. The unit is also available with optional USB download (DMR4-MPEG4+) allowing users to archive information onto a USB stick.

MPEG4 | 1 CHANNEL AUDIO INPUT | OSD | 100 FPS | TRIPLEX OPERATION | TCP/IP ADDRESSABLE | PTZ | USB OPTION

Videcon
DMR4-MPEG4
4 Channel Recorder

- MPEG 4 compression
- 4 channel recording with triplex operation
- LAN connection with remote setup, PTZ and backup
- Real time recording
- Timer, motion, alarm and continuous record
- 1ch audio input
- Spot monitor output
- One HDD, up to 500GB capacity

ORDER CODE	DESCRIPTION
DMR4-MPEG4/160	4 Channel with 160Gb HDD
DMR4-MPEG4/250	4 Channel with 250Gb HDD
DMR4-MPEG4/500	4 Channel with 500Gb HDD

Videcon
DMR4-MPEG4+
4 Channel Recorder

- MPEG 4 compression
- 4 channel recording with triplex operation
- LAN connection with remote setup, PTZ and backup
- Real time recording
- Timer, motion, alarm and continuous record
- 1ch audio input
- Spot monitor output
- One HDD, available in 160Gb, 250Gb or 500Gb HDDs.
- USB back-up

ORDER CODE	DESCRIPTION
DMR4-MPEG4+/160	4 Channel with 160Gb HDD and USB back-up
DMR4-MPEG4+/250	4 Channel with 250Gb HDD and USB back-up
DMR4-MPEG4+/500	4 Channel with 500Gb HDD and USB back-up

Accessories
USBMEM/1
USB Memory Stick

Sales: +44 (0)1924 528000 Technical: +44 (0)1924 528004 Accounts: +44 (0)1924 528006

Visix
ELR1+
Single Channel Recorder

ORDER CODE	DESCRIPTION
ELR1+/160	Single channel c/w 160Gb HDD
ELR1+/250	Single channel c/w 250Gb HDD
ELR1+/400	Single channel c/w 400Gb HDD
ELR+USB2	USB Connector for reading ELR+ drives in a PC

- Single Channel Recorder
- Recording Speed upto 25 FPS
- Removable HDD can be read instantly on PC by provided software
- Easily replaceable HDD provides greater flexibility
- Jog/Shuttle wheel
- 4 alarm inputs / 1 relay output
- High resolution (360X240)
- Continuous recording, event recording modes, Various searching speed up to 8192 times
- Event log for video loss, motion detection, alarm input, alarm reset, power on/off
- Pre-alarmed recording of up to 900 frames
- System auto recovery after power failure guarantees robust security surveillance
- Remote surveillance and control via TCP/IP, LAN, web browser
- Remote upload/download of system configurations
- Recorded images can be seen and saved by provided software in AVI and BMP format
- Single channel audio recording
- Compatible with a wide range of multiplexers
- Single channel audio input/output
- 12V DC

Visix
ELR4+
4 Channel Recorder

The Visix ELR4+ supersedes the ELR4 in terms of design and features. The ELR4+ is small, self-contained and extremely easy to install and use - simply plug in and record. Visix have put together a comprehensive, quality product with the ELR4+; low cost, compact, simple to install, reliable, producing clear and detailed recorded images.

ORDER CODE	DESCRIPTION
ELR4+/160	4 Channel c/w 160Gb HDD and network card
ELR4+/250	4 Channel c/w 250Gb HDD and network card
ELR4+/400	4 Channel c/w 400Gb HDD and network card
ELR+USB2	USB Connector for reading ELR+ drives in a PC

- 4 Channel Recorder
- Recording Speed upto 100 FPS, 25 FPS per channel
- Removable HDD can be read instantly on PC by provided software
- Easily replaceable HDD provides greater flexibility
- Jog/Shuttle wheel
- 4 alarm inputs / 1 relay output
- High resolution (360X288)
- Four camera inputs (color or b/w)
- Continuous recording, event recording modes, Various searching speed up to 8192 times
- Event log for video loss, motion detection, alarm input, alarm reset, power on/off
- Pre-alarmed recording of up to 900 frames
- System auto recovery after power failure guarantees robust security surveillance
- Remote surveillance and control via TCP/IP, LAN, web browser
- Recorded images can be seen and saved by provided software in AVI and BMP format
- 1 Audio Output
- 12V DC

Visix

ELR4+M

Mobile Digital Video Recorder

The Visix ELR4+M is a 4 channel mobile digital recorder. Small and self-contained, this unit is extremely easy to install and use - simply plug in and record. Ideal for vehicle security applications, the ELR4+M offers a cost-effective, compact and reliable recording solution.

When it comes to reliability, the system auto recovery after power failure ensures continuous security surveillance at all times. Additional features include a unique compression facility to conserve disk space as well as compact flash backup with embedded viewing software.

- 4 Channel Recorder
- Recording Speed upto 100 FPS, 25 FPS per each channel
- Removable HDD can be read instantly on PC by provided software
- Easily replaceable HDD provides greater flexibility
- 4 alarm inputs / 1 relay output
- High resolution (360X288)
- Continuous recording, event recording modes, Various searching speed up to 8192 times
- Pre-alarmed recording of up to 900 frames
- System auto recovery after power failure guarantees robust security surveillance
- Remote surveillance and control via TCP/IP, LAN, web browser
- Recorded images can be seen and saved by provided software in AVI and BMP format
- 1 Audio Output
- Supports optional portable viewer for in vehicle viewing
- Optional anti-vibration mounting case
- 12V DC

ORDER CODE	DESCRIPTION
ELR4+M/160	4 Channel Mobile DVR c/w 160Gb HDD
ELR4+M/400	4 Channel Mobile DVR c/w 400Gb HDD
ELR4+M/MK	Mounting Kit for Lockable DVR Box
ELR4+MAVC	Lockable Anti Vibration Case for ELR4+M (requires ELR4+M/MK)
ELR4+MPV	Portable Viewer for ELR4+
ELR+USB2	USB Connector for Reading ELR4+ HDD's on a PC

Videcon

VB4112/3.6 / VB4112/4.5

Vandal Proof Side Camera

- CCD 1/3"
- Resolution 380 Lines
- Sensitivity 0.1 Lux
- Lens Size 3.6mm or 2.45mm
- Voltage 12V DC
- Dimensions 55(Ø)mm
- Weight Approx. 600g

Other Features

- Vandal Resistant
- Surface Mounting Adapter
- Auto White Balance
- Auto Gain Control
- Tri-Axis Gimbal
- Available in brushed steel or black casing

Order Codes

- VB4112/3.6 3.6mm Lens, Brushed Steel Case
- VB4112/2.45 2.45mm Lens, Brushed Steel Case
- VB4112/3.6-B 3.6mm Lens, Black Case
- VB4112/2.45-B 2.45mm Lens, Black Case

Videcon

VB4112-SIDE / VB4112-SIDE-IR

Vandal Proof Side Camera

	VB4112-SIDE	VB4112-SIDE-IR
CCD	1/3"	1/3"
Resolution Colour	380 Lines	380 Lines
Sensitivity Colour	0.5 Lux	0.5 Lux
Sensitivity Mono	N/A	0.0 Lux (IR LED On)
Lens	3.6mm	3.6mm
Infra Red LED	N/A	Built-in
Voltage	12V DC	12V DC
Dimensions (WxHxD)	80 x 99 x 70mm	80 x 99 x 70mm

Other Features

- Auto Gain Control
- Back Light Compensation
- IP67 Rated
- Ceiling or wall mounted

Videcon
VM5BK-C
Colour Vehicle Reversing Kit

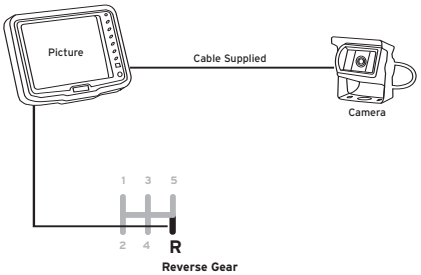
The VM5BK-C is a high resolution 5" colour monitor suitable for in-vehicle use to provide clear images for reversing and / or turning manoeuvres. This kit includes a weatherproof colour camera designed to be mounted at the rear of a vehicle to provide unobstructed viewing during reversing. For added ease of use, the user can also choose whether to view a normal or more natural 'mirror-image' view.

Colour TFT LCD

- 5 Inch Screen
- Speaker 200mW
- Contrast 150:1
- Brightness 300cd/m2
- Weight 515g inc. Frame
- Dimensions 163 x 125 x 30.5mm
- Power 12V / 8W (Max)
- Remote Control

Camera

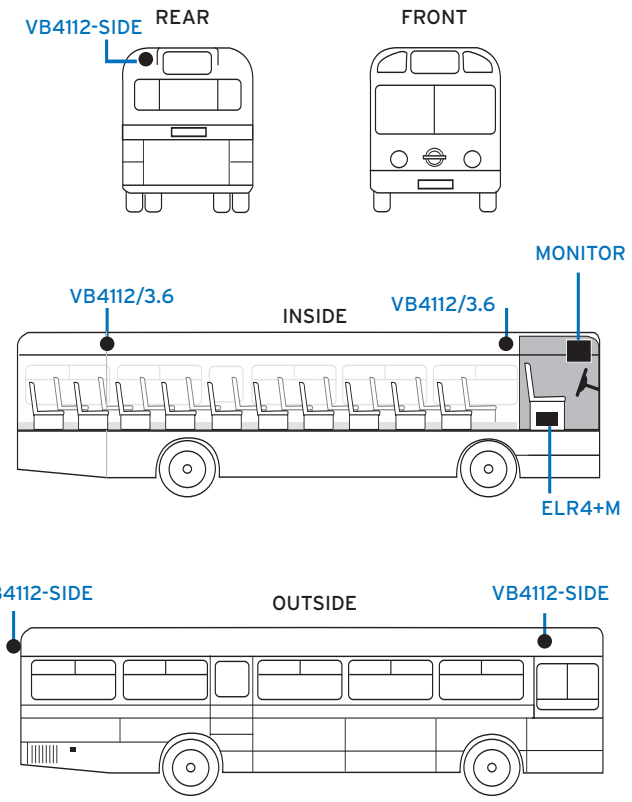
- IP66
- 1/3" CCD
- 12V / 1W / 350mA
- 380TVL
- 3.6mm lens
- AGC (Auto)
- 80 x 54 x 41mm
- 0.3kg with bracket
- -20°C to + 60°C
- Connection 4 pin miniature DIN



Additional Camera
VC5382

- 1/3" 420TVL 0 Lux (IR on) c/w 2.9mm fixed lens and IR's - Additional camera for VM5BK-C

Example



Videcon
VLCD5PUP
LCD Screen

- Resolution 960 (H) x 234 (V)
- Contrast 150:1, Brightness: 300cd/m2
- Colour System PAL
- Video (AV) input Two way
- Picture flip function Manual flip picture up/down, flip left/right
- Audio output 0.2W
- Power Supply DC 12V
- Dimensions 163(W) x 125(H) x 30.5(D)mm
- Net Weight 430g
- Power Consumption 8W

Videcon
VLCD7P
LCD Screen

- 7" Screen
- 250cd/m2
- Mini pin power input/output
- Cable
- Remote Control
- 12V DC 1 Amp
- Dimensions - 180(W) x 120(H) x 30(D)mm

Fax: +44 (0)1924 528005 Email: sales@videcon.co.uk Web: www.videcon.co.uk

Haydon

HAY-DIGIPACK

Data Compliance CDR Download Pack

This kit is for downloading evidence from your DVR to CD's. This kit provides 50 CDs for 25 incidents giving a master and a copy for your file.

- 50 x CD's in Protective Pod
- 50 x DVD Cases
- 25 x Evidence Seals
- 1 x Verbatim Marker for CD's
- 25 x 3 Part Incident Report Sheets (In book format)
- 10 x Subject Access Request Forms
  (In the back of the book)

Haydon

HAY-DIGIPACK-DVD

Data Compliance DVD Download Pack

This kit is for downloading evidence from your DVR to DVD's. This kit provides 50 DVD's for 25 incidents giving a master and a copy for your file.

- 50 x DVD's in Protective Pod
- 50 x DVD Cases
- 25 x Evidence Seals
- 1 x Verbatim Marker for CD's
- 25 x 3 Part Incident Report Sheets (In book format)
- 10 x Subject Access Request Forms
  (In the back of the book)

Haydon

HAY-DIGILOG

Data Compliance CDR Download Pack

This kit is for downloading from DVR's to CD's so that the evidence may be used. This kit comprise of an A4 D ring binder incorporating purpose made rigid plastic CD pages to take 1 pair of disks per page

- 15 x CDR Pairs Serially Numbered
- 15 x Incident Log Sheets Serially Numbered
- 10 x Subject Access Request Forms
- 2 x A4 CCTV Warning Signs C/W Permanent Marker Pen
- 15 x Tamper Evidence Seals
- 15 x CD Cases (extremely robust & durable - not jewel cases)

Haydon
Metro
Cable Managed Housing

- Fully Cable Managed CCTV Camera Housing
- Side Opening For Ease Of Installation & Maintenance
- Weather Proof To IP67
- 3 Year Anti-Corrosion Warranty
- Manufactured From Die Cast Aluminium
- Quick Release Removable Top

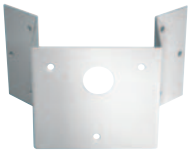
Options

METRO/230V	230V AC
METRO/LV	12V DC / 24V AC

Haydon
METRO-EXT ARM
Extension Arm

- 450mm Extension Arm for the Metro CCTV Camera Housing, C/W Fittings

Haydon
METRO-CORNER BRACKET
Corner Bracket



- Corner Wall Bracket for the Metro CCTV Camera Housing
- Ideal for fitting the Metro CCTV Camera Housing to corners of walls or buildings

Haydon
METRO-POLEMOUNT
Pole Mount Adapter

- Pole mount adapter for the Metro CCTV Camera Housing
- Complete with two clamps for pole sizes:
  Clamp 1.67mm - 127mm
  Clamp 2.83mm - 178mm

Haydon
HAY-LDVE
Small Lockable Enclosure

- Small lockable enclosure
- Suitable to house the VXM4B-4 digital recorder
- Capacity for 1 x standard VCR and 1 U Multiplexer
- Radial lock with interlocking cam
- 1.6mm mild steel case and 2mm front door
- Vented both sides and at back, BNC cable entry for VCR and multiplexer, Two IEC plug slots
- External Dimensions: D 540 x W 510 x H 183 mm
- Internal Dimensions: D 510 x W 507 X H 155 mm
- Weight 10.9 Kg

Haydon
HAY-LDVR2
Large Lockable Enclosure

- Large lockable enclosure
- Suitable to house the VXM4B-8 & VXM4-16 digital recorders
- Vented for good air flow reducing the risk of over heating
- Front venting to help air flow for front mounted hard drives
- Easy cable access for all cabling - power, BNCs etc
- External Dimensions: D 595 x W 510 x H 220mm
- Internal Dimensions: D 560 X W 506 x H 185mm
- Weight 16.1Kg

HAY-LDVR2-F - as above plus

- 2 X 12V Fans expelling hot air from the cabinet @70 CFM
- 12V Power supply complete with mains cables
- Weight 17Kg

Fax: +44 (0)1924 528005 **Email:** sales@videcon.co.uk **Web:** www.videcon.co.uk

Designed with both ease and speed of installation in mind, the VERSO range of polycarbonate camera housings provides effective protection in all conditions. Sleek and stylish in design the VERSO utilises a hinged side opening system and offers a selection of standard or cable management brackets. The wide range of accessories available ensures that the VERSO range will meet any installation requirement.

Videotec
VERSO / HPV42K

- 100% polycarbonate construction
- IP66 (with cable glands)
- Side opening
- Installation with 3 cable glands (2xPG9 and 1xPG11)) and bracket or with cable management bracket
- 110-230V AC Heater
- Int. Dims.(WxHxD) 70x70x270mm
- Available Accessories: sunshield, heater, camera power supply, fan-assisted heater, blower and air filter, alarm tamper kit (See Order Codes)

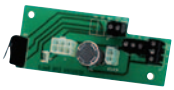
ACCESSORIES

POWER SUPPLY

THERMOSTAT CONTROLLED HEATER

BLOWER

ALARM TAMPER SWITCH



Videotec
VERSO COMPACT / HPV36K

VERSO COMPACT + WBOVA

- Compact Model of Verso
- 100% polycarbonate construction
- IP66 (with cable glands)
- Side opening
- Installation with 2 standard cable glands (1xPG9 and 1xPG11) and bracket or with cable management bracket
- 110-230V AC Heater
- Int. Dims.(WxHxD) 63x63x210mm
- Available Accessories: sunshield, heater, camera power supply, fan-assisted heater(See Order Codes)

ORDER CODE	DESCRIPTION
VERSO / HPV42K	
HPV42K	VERSO 420mm housing, with sunshield and heater 110/230VAC
HPV42K/2	VERSO 420mm housing, with sunshield and heater 12VDC/24VAC
OHPVS42	Replacement sunshield
OHEGBPS1	Camera PSU 230VAC/12VDC in weatherproof box, 1Amp
OHEGBPS2	Camera PSU 230VAC/24VAC in weatherproof box, 400mA
OHPVCF3	Blower kit with thermostat and air filter 230VAC, with wide range power supply 100-240VAC/12VDC,1A
OHPVTA1	Tamper switch on circuit board and tamper proof screws
VERSO COMPACT / HPV36K	
HPV36K	VERSO Compact 360mm housing, with sunshield and heater 110/230VAC
HPV36K/12	VERSO Compact 360mm housing, with sunshield and heater 12VDC/24VAC
OHPVS36	Replacement sunshield
OHPW1	Heater fan assisted, continues duty, 12VDC
OHPW2	Heater fan assisted, continues duty, 24VAC
OHPW3	Heater fan assisted, continues duty, 230VAC, wide range PSU 100-240VAC/12VDC, 1Amp
ACCESSORIES	
OHPVH1	Heater 110/230V AC
OHPVH2	Heater 12V DC/24V AC
OHEPS19	Power Supply unit 110VAC-240VAC in 12VDC out, 1A
OHEPS20	Power Supply unit 230VAC-24VAC 400mA

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Videotec
BRACKETS

WCM4
Ceiling mount with internal cable channel

- Made of curved aluminium tube
- 15Kg (33lb) load rating
- WCMPA 500mm (19") in linear extension available

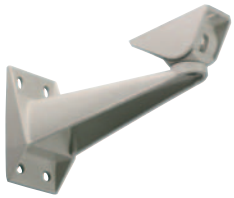
WBOVA
Wall bracket with internal cable channel and sturdy joint

- Die-cast aluminium
- 25Kg (55lb) load rating
- Joint adjustment and clamping by only one bolt

WCM3
Housing ceiling mount with sturdy joint

- Made of aluminium
- 15Kg (33lb) load rating
- Housing adjustment by only one bolt

WBMA
Housing wall bracket

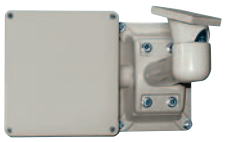


- Die-cast aluminium
- 25Kg (55lb) load rating
- For medium-small housings
- Joint adjustment and clamping by only one bolt

WBJA
Housing wall bracket

- Die-cast aluminium
- 25Kg (55lb) load rating
- For large-medium housings
- Joint adjustment and clamping by only one bolt

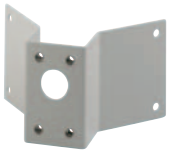
WBOV3
Wall bracket with internal cable channel and sturdy joint



- Die-cast aluminium
- 25Kg (55lb) load rating
- Joint adjustment and clamping by only one bolt
- Support plate and weatherproof box

Videotec
MODULAR ADAPTERS

WCW
Corner Adapter



- Steel Made
- For WBJA, WBMA, WBOVA and PTAC mounts

WSFP
Pole Mount

- Die-cast aluminium
- For WBJA, WBMA, WBOVA and PTAC mounts
- Pole diameters 65dia./110mm (2.5/4.3")

WCP
Reinforcing support plate for poor consistency walls

- Die-cast aluminium
- For WBJA, WBMA, WBOVA and PTAC mounts
- Available with a supporting box with internal passage of cables

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WEC
Lattice Tower

ORDER CODE	DESCRIPTION
Fixed Lattice Towers	
ST4	Fixed 4m lattice tower root buried
ST6	Fixed 6m lattice tower root buried
ST8	Fixed 8m lattice tower root buried
ST4AF	Fixed 4m lattice tower surface fixing
ST6AF	Fixed 6m lattice tower surface fixing
ST8AF	Fixed 8m lattice tower surface fixing
Tilt Over Lattice Towers	
WD4	Tilt Over 4m lattice tower root buried
WD6	Tilt Over 6m lattice tower root buried
WD8	Tilt Over 8m lattice tower root buried
WD4AF	Tilt Over 4m lattice tower surface fixing
WD6AF	Tilt Over 6m lattice tower surface fixing
WD8AF	Tilt Over 8m lattice tower surface fixing
Fixed Columns	
FMT4	Fixed flange mounted column 4m tubular section c/w FM root
FMT5	Fixed flange mounted column 5m tubular section c/w FM root
FMT6	Fixed flange mounted column 6m tubular section c/w FM root
FMT8	Fixed flange mounted column 8m tubular section c/w FM root
Fixed Columns Square Section	
FMS4	Fixed flange mounted column 4m square section c/w FM root
FMS5	Fixed flange mounted column 5m square section c/w FM root
FMS6	Fixed flange mounted column 6m square section c/w FM root
FMS8	Fixed flange mounted column 8m square section c/w FM root

WEC
Protection Cages

ORDER CODE	DESCRIPTION
Protection Cages	
C450	Protection Cage 457(H) x 457(W) x 457(D)
C450H	Protection Cage 457(H) x 457(W) x 457(D), Hinged from Wall
C600	Protection Cage 610(H) x 610(W) x 610(D)
C600H	Protection Cage 610(H) x 610(W) x 610(D), Hinged from Wall
C646	Protection Cage 610(H) x 450(W) x 610(D)
C646H	Protection Cage 610(H) x 450(W) x 610(D), Hinged from Wall

WEC
Poles

ORDER CODE	DESCRIPTION
Tilt Over Columns	
TOP4	Tilt over flange mounted column 4m c/w FM root
TOP6	Tilt over flange mounted column 6m c/w FM root
TOP8	Tilt over flange mounted column 8m c/w FM root
Wall Mounted Poles	
3WP150	Wall pole 3m, 150mm stand off
4WP150	Wall pole 4m, 150mm stand off
5WP150	Wall pole 5m, 150mm stand off
Corner Mounted Poles	
3CP150	Corner pole 3m, 150mm stand off
4CP150	Corner pole 4m, 150mm stand off
5CP150	Corner pole 5m, 150mm stand off
Economy Spec Tilt-Over Columns	
ETO4	Tilt-over square column 4 Mtr. Square section.c/w Root
ETO6	Tilt-over square column 6 Mtr. Square section.c/w Root
ETO8	Tilt-over square column 8 Mtr. Square section.c/w Root
Accessories	
IR1	Single infra-red bracket
IR2	Dual infra-red bracket
PTZ/S	P/T to single static camera adjustable knuckle Joint
TSA	P/T to dual static camera
TPTA	Dual adapter for PTZ cameras
ACB1	Anti-Climb brackets for all ST & WD towers
ACB2/	Anti-Climb brackets for tubular columns (state diameter)
ACB3/	Anti-Climb brackets for square columns (state section)
WUB	Transferable winch unit for use up to and including: TOP6 WD8
WUA	Transferable winch unit for use up to and including: TOP8 WD10
Column Spacers	
CS150	Column Spacer 150mm / 6"
CS225	Column Spacer 225mm / 9"
CS300	Column Spacer 300mm / 12"

WEC
Anti Climb Brackets

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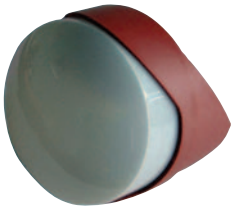
GJD
OPAL-ELITE
External PIR Detector



- Seven different modes of operation.
- Two pairs of timed volt free contacts.
- Discreet design.
- External use.

Options

OPAL ELITE	External PIR detector 12V DC 8m to 35m 90deg adjustable
OPAL-RFX	External PIR detector with built in wireless transmission
RFX-3	IP65 rated 3 Channel receiver for Opal RFX

GJD
GJD310
External Triple Technology

Range	Programmable up to 30m
Coverage	10°-70° detection angle, 30m x 30m coverage max.
Adjustment	180° pan + 90° tilt
Fresnel Lens	28 zones for each Pyro pair, which can be masked with the curtain sliders and special masking tape (supplied).
Indicators	3 x LED's. Green: microwave, red: both PIR's, blue: alarm output (all three sensors)
Microwave	UK: 10.587 GHz, Europe: 10.525 GHz
Power input	9 to 15 VDC
Current	15mA (12V nominal)
Walk Test	Output test mode with LED indication
Housing	High impact zinc alloy
Protection Rating	Minimum IP 55
(See order codes)	

GJD
GJD390
Wireless Detector

Transmission Range	250 or 500 metres (line of sight)
Coverage	100 - 700 detection angle, 30m x 30m max
Adjustment	180° pan + 90° tilt
Fresnel Lens	28 zones for each Pyro pair
Customised Optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Power input	3 x AA batteries or optional 12 - 24V AC/DC
Walk Test	Output test mode using walk test signal strength detector
Adjustable timer options	2 to 60 seconds
Adjustable light sensing	Dusk (2 Lux) to 24 hour
Housing	High impact zinc alloy
Protection Rating	Minimum IP 55
Dimensions	145 x 120 x 145 mm (excluding aerial)
(See order codes)	

GJD
GJD300
Quad PIR

Range	Programmable up to 30m
Coverage	10°-70° detection angle, 30m x 30m coverage max.
Adjustment	180° pan + 90° tilt
Fresnel Lens	28 zones for each Pyro pair, which can be masked with the curtain sliders and special masking tape (supplied).
Power input	9 to 15 VDC
Current	9mA (12V nominal)
Walk Test	Output test mode with LED indication
Housing	High impact zinc alloy
Protection Rating	IP 55
(See order codes)	

ORDER CODE	DESCRIPTION
QUAD PIR's	
GJD300	Quad PIR combining dual PIR, variable range 8-30m
GJD300C	Quad PIR combining dual PIR, variable range 8-30m Chrome Plated
GJD350	External Quad PIR detector Silver 25-50M D-Tect
GJD350C	External Quad PIR detector Chrome Plated 25-50M D-Tect
External Triple Technology	
GJD310	Triple Tech PIR combining dual PIR and microwave sensors, variable range 8-30m
GJD310C	Triple Tech PIR combining dual PIR and microwave sensors, variable range 8-30m Chrome Plated
Wired D-Tect Accessories	
GJD305	Pole Mount Clamp
GJD303	D-TECT Range IR Programmer Key Fob
GJD304	Conduit Cable Entry adaptor ring
GJD304C	Conduit Cable Entry adaptor ring (Chrome Plated)
GJD308	D-Guard
GJD380	Walk Tester
D-Tect X Wireless PIR Range	
GJD390	External 8- 30M Quad PIR detector with built in wireless transmission (Chrome Plated) 250M D-Tect X
GJD391	External 8-30M Quad PIR detector with built in wireless transmission (Chrome Plated) 500M D-Tect X
GJD392	Receiver with 4 detector module D-Tect X (Another 3 x GJD393 can be added)
GJD393	4 detector expansion module D-Tect X
GJD394	Signal strength & walk tester D-Tect X

GJD
GJD392
Wireless Receiver

Communication Range	250 or 500 metres (line of sight)
Communication	Codes 16,700,000
Power input	12 - 24V AC/DC
Operating Temp.	-20°C to + 55°C Conformally coated electronics for increased stability
Connections	1 x programming socket for Detectors Expansion socket for connection to additional modules (front and rear switches) 1 RF loss 1 Low battery
Capacity	4 detector module fitted as standard 3 slots for additional 4 channel expansion modules (total 16 detectors)
Protection Rating	Minimum IP55
Dimensions	210 x 180 x 75 mm (excluding aerial)
(See order codes)	

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Security Enclosures
LRP404
PIR Detector

- Reliable operation
- All-metal sensor head
- High RFI/EMI immunity
- 40m x 10m, 120' x 30' long range
- 30m x 20m, 90' x 60' wide angle
- 40m x 10m, 120' x 12' curtain
- Dual channel processing
- Twin dual sensors
- Tamper resistant bracket
- High or medium sensitivity setting
- IP65 rated

Options

LRP4010	40x10m
LRP3020	30x20m

Security Enclosures
LRP100Q
PIR Detector

- 100m x 3m coverage
- Twin electronic processors
- 25mA power consumption
- Rugged all-metal construction
- Patented optical array
- Gold-plated mirrors
- Simple alignment
- IP64 rated
- Integral mounting bracket
- High RFI/EMI immunity

Security Enclosures
LRP5030
PIR Detector

- 50m x 30m coverage
- Triple electronic processors
- 25mA power consumption
- Rugged all-metal construction
- Patented optical array
- Gold-plated mirrors
- Optical alignment viewer
- Integral mounting bracket
- High RFI/EMI immunity

Security Enclosures
LRP180Q
PIR Detector

- 180m x 3m coverage
- Dual zone detection
- Two core wiring system
- Rugged construction
- Low power consumption
- Mounting bracket included
- Separate controller included
- IP65 rated
- Gold coated optical system
- Low temperature model

Security Enclosures
LRP5030CAM
PIR Detector

- Combined Detector/Camera
- 50 x 30m (160' x 100') Wide Angle Coverage
- 100 x 3m (300' x 10') Long Range Coverage
- Compact Housing
- Low Power Consumption
- Simple Installation
- Monochrome 380TV line Camera
- Shared Fields of View

Options

LRP5030RGB	50x30m Colour Camera
LRP100QRGB	100x3m Colour Camera

Security Enclosures
WF3020
PIR Detector

- 3 year battery life
- Weatherproof housings to IP66
- Up to 200m L.O.S range
- Licence free operation
- Four channel receiver
- Coded for security use
- Setup and test mode
- Selectable lock-out timer
- Uses standard 'D' cell batteries
- Wire free 30x20m 48 zone 12V DC

Options

WF4010	40mx10m
WF404	40mx4m Colour Camera
WF100CU	Wire free receiver unit for redwall
WF100DT	Wire free transmitter unit for redwall
WF100DT-PB	Pole mount bracket for WF100DT
WF100TT	Wireless test transmitter (site surveys)
WF100RM	Radio monitor (site surveys)
WF100EU	Expander unit
WF100A1	1/2 wave aerial - extends range of WF100CU

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Concept Pro

The professional Concept and Concept Pro range of colour and monochrome monitors are available in a wide selection of screen sizes, ranging from 9" to 21"- colour and 5" to 20"- monochrome. All monitors within this range come with 2-years warranty

Concept VMC14MA
Monochrome Monitor

- 14" mono monitor metal case
- Horizontal Resolution 800 Lines @ Centre
- Supports Composite Loop-through
- Audio Support
- 100-240V AC
- Dimensions(WxHxD) 302x310x325mm
- 2 YEAR WARRANTY

Concept Pro

Concept Pro VM20MA
Monochrome Monitor

- 20" Mono Monitor Metal Case
- Horizontal resolution 1000 TVL
- Video Loop through
- Audio Loop through
- 240V AC
- Dimensions(WxHxD) 478x415x436mm
- 2 YEAR WARRANTY

Concept Pro

Concept Pro VMC14CA
Colour Monitor

- 14" Colour Monitor Metal Case
- Horizontal resolution 450 TVL
- Video Input/Output
- Audio Input/Output
- 90-260V AC
- Dimensions(WxHxD) 340x310x360mm
- 2 YEAR WARRANTY

Concept Pro

Concept Pro VMP15CA
Colour Monitor

- 15" Colour Monitor Metal Case
- Horizontal resolution 650 TVL
- 2 Channel Video Input
- 90-260V AC
- Dimensions(WxHxD) 360x340x320mm
- 2 YEAR WARRANTY

Options

- VMP15CARGB 800 TVL RGB loop through

Concept Pro

Concept Pro VMC21CA
Colour Monitor

- 21" colour monitor metal case
- Horizontal resolution 450 TVL
- Video input/output
- Audio input/output
- 90-260V AC
- Dims (WxHxD) 500x490x460mm
- 2 YEAR WARRANTY

Concept Pro

In addition to supplying the exclusive Concept Pro brand of products, Videcon also gives you access to the worlds leading CCTV equipment manufacturers. For further information and prices please call us on +44 (0)1924 528000.

Aspect

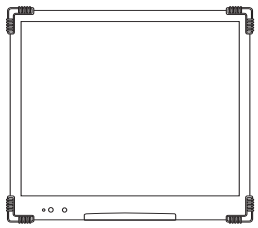
VLCD17M / VLCD19M

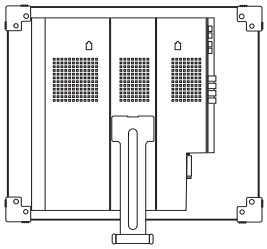
LCD Screen

Beyond its elegant design, the ASPECT monitor displays high-resolution images and boasts wide viewing angles of 170°, vertical and horizontal, as well as s-video VGA and A/V inputs. The slim, flat-panel design conserves space and offers a stylish, contemporary look.

To conserve workspace the monitor can be easily wall mounted using industry standard VESA mounting brackets. The screen is protected by a hardened glass exterior and metal casing, making it the ideal choice for today's modern applications.

- 17" & 19" screen options
- High Resolution 1280 x 1024
- Optical, scratch resistant glass front to prevent screen damage and enhance colour reproduction
- Multiple video input types
- Stereo audio
- Strong metal construction
- Keylock to prevent unauthorised tampering
- Picture in picture (PIP)
- Voltage: 110 - 240V AC
- Dims: 370x325x85mm (VLCD17M)
- Dims: 430x365x85mm (VLCD19M)



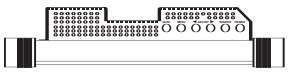


RESPONSE

With 8ms response time the ASPECT monitor provides a seamless operation particularly when displaying a switched output and fast moving pictures.

VIDEO CONNECTIONS

Compatible with VGA 15pin D-Sub, 2 composite BNC inputs, 2 composite BNC outputs, 1 s-video input.

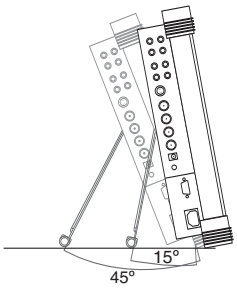


POWER

Operating voltage is 100-240V AC along with a separate 12V DC output suitable for powering a local camera for public viewing (PVM) applications.

AUDIO CONNECTIONS

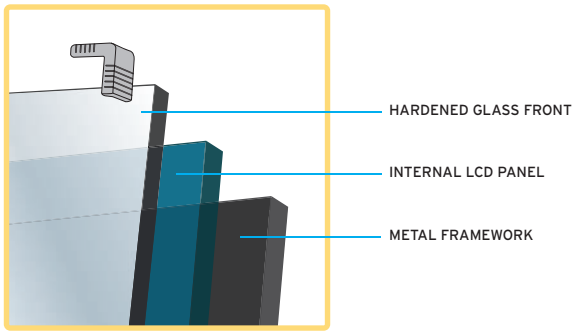
As well as catering for a wide range of video inputs/outputs the ASPECT monitor comes complete with 2 x audio inputs, 2 x audio outputs, 1 x PC audio input.



Built For Performance

The optical, scratch resistant glass screen enhances colour reproduction and protects the LCD panel from damage and dirt ingress. The screen can be easily cleaned to remove dust and fingerprint marks etc.

This protective screen ensures that the monitor can be used in a variety of environments, ranging from industrial sites and factories to trendy city offices.



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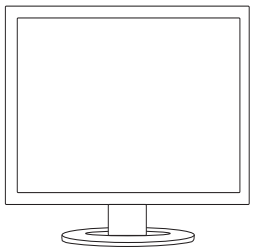
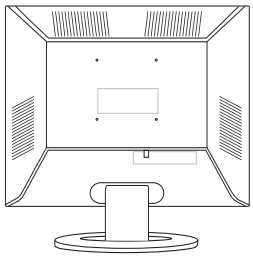
In contrast to traditional CRT monitors, the elegant, flat-panel LCD screens from Videcon conserve space and offer a stylish, contemporary look. To free up vital desk space, the Videcon range offers a selection of LCD brackets for wall mounted applications.

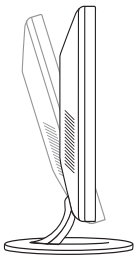
Videcon
VLCD17P / VLCD19P
LCD Screen

The VLCD17P & VLCD19P are high resolution LCD monitors housed in a robust plastic casing. The unit boasts a contemporary, slim-line design including discreet side mounted controls.

- 17" / 19" Screen Options
- High Resolution 1280 x 1024
- Multiple video input types
- Stereo audio
- Voltage: 110 - 240V AC
- Discreet, side mounted controls







Side mounted controls.

IDEAL APPLICATIONS

Videcon
VLCDTM56
LCD Screen

- 5.6" TFT
- Audio
- Supplied with cable
- c/w battery charger
- Light weight carry case

A must have for any professional installer, this handy 5.6" LCD screen with TFT enables the simple and effective focusing of colour cameras without getting off the ladder. Supplied in a light weight carry case it comes complete with a battery charger.

Options

VLCDTM56B	Spare battery and charger unit for test monitor kit

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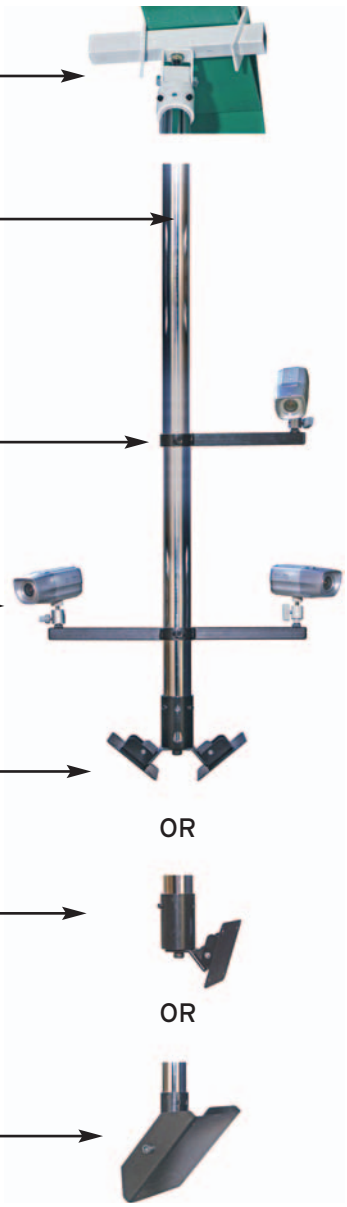
DROP DOWN LCD & CAMERA BRACKETS



GE-GPMB50WHT
Girder/purling 50mm pole clamp, white.
(Available in black)

GE-CP3M50
50mm chrome pendant pole 3 metre

GE-SCPM50BLK
Single static camera pole mount, 50mm, black
(Camera not included)

GE-DCPM50BLK
Double static camera pole mount, 50mm, black
(Camera not included)

GE-BVPM50BLK
Double TFT mount 50mm pole, black
100x100, 75x75mm VESA Mount

OR

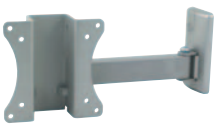
GE-SVPM50BLK
Single TFT mount 50mm pole, black

OR

GE-PM50RT32AB20BLK
50mm pole mount for large LCD screen with 200x200 VESA, black

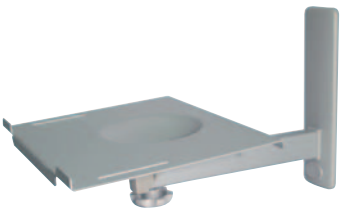
Videcon
BT7511
LCD Bracket

Videcon
BT7512
LCD Bracket



Videcon
BT7510
LCD Bracket

Videcon
MBM14G
Monitor Bracket



ORDER CODE	DESCRIPTION
LCD Brackets	
BT7511	LCD screen wall mount with tilt, silver
BT7512	LCD screen wall mount with tilt and swivel, silver
BT7513	LCD screen wall mount with articulated arm, silver
BT7510	LCD screen mounting adapter to work with BT7060 and BT880M
BT7060	Coller adapter to work with BT7510
BT880M	Ceiling mount drop for BT7510

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Videcon
15-2400AK2-2
Wireless Tramsmitter and Receiver Kit

- 4 Channels Wireless TX & RX kit
- Range 50m (line of sight)
- Operating frequencies 2413, 2431, 2451, 2470
- No. of channels 4 (Selected by switch)
- Antenna impedance 50 Ohms (typical)
- Propogation Omni directional
- Output power 10mw
- Audio input 2V PP composite 75 Ohms
- Power requirements 9-12VDC @ 180ma
- Dimensions 60x52x19.2mm

Radio Contact
1394/ TX, 1394/RX
Video Transmitter and Receiver

- Single Channel CCTV video transmission
- Range: 1000m standard version,
  5000m long-range version
- 500mW providing better performance and range
- Frequency 1394 MHz
- Operating Voltage 12V D.C. Stabilised
- Channel Bandwidth 10 MHz Max
- Video Input 1 Vp-p / 75 Ohms
- Supplied with mounting bracket
- Outdoor weatherproof boxes to IP65 available

Radio Contact
2240/TX, 2440/RX
Video Transmitter and Receiver

- 4 Video Channels
- 4 Dual audio channels
- TX. Power: 10mW
- RX: Sensitivity: -90dBm
- Operating Voltage: 12V Reg
- Current: 130mA TX, 300mA RX
- Frequency Range: 2.4 - 2.8GHz

Radio Contact
458/TX, 458/RX
Telemetry Transmitter and Receiver

- Protocols 20mA Current Loop, RS232, RS485, TTL
- 12 Channels @ 458MHz or 32 @ 433MHz
- Supports Data sheets up to 4800 baud
- Squelch indicator
- Sleep Mode

Wireless Transmission of Video Signals

There are a number of choices to transmit video signals through free space thus avoiding the need to run cables from camera to monitor. The most popular options are outlined below:-

Short Path Radio Links.

- Uses 1.394 and 2.4 GHz License Exempt Radio Bands.
- 2.4GHz band has 4 channels available, 1.394GHz has single band.
- Typical Range 50-100m in free space, much reduced through obstacles.
- Range can be extended with suitable antennas but at increased cost.
- Note that because the antennas are omni-directional then it is relatively simple to eavesdrop other peoples video pictures. Also it is fairly straight forward to jam the signals.
- Interference may be a problem, either from other equipment that also uses the 2.4GHz band such as some cordless telephones and wireless networking equipment.
- However this equipment is ideal for rapid deployment systems and for temporary covert surveillance.

Short-medium Range Microwave Links

- Clear Line-of-Sight required between transmitter and receiver.
- Reasonable immunity to fog and snow.
- Range up to 750m with standard antenna.
- Can be extended to up to 3Km with high-gain antennae.
- Video-Only links for static cameras.
- Video + Reverse Data links available for telemetry control of functional cameras.
- Nominal license fee payable

Note that clear line of sight is required between the transmitting and receiving antenna. It is advisable to mount the antennae as high as possible to minimise signal attenuation from obstacles on the ground. Pay attention to trees that may grow to become obstacles in the future. Before committing to the use of a wireless video link, it is strongly recommended that an on-site test is carried out with the proposed transmission equipment to ensure satisfactory results.

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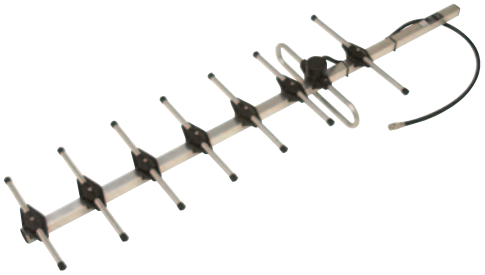
Radio Contact
GL2400/TX, GL2400/RX
Video / Audio Transmitter

- 4 Channel CCTV Video Transmission
- Improved Receiver Sensitivity
- Improved RF Input Filtering
- Transmitter RF Power On Indicator
- Video Signal Received/Transmitted Indicator
- Antenna Alignment Indicator
- Sync Pulse Level Indicator
- Adjustable Video Output
- Line In/Line Out Audio
- Lightweight design
- Supplied with pole mounting bracket
- 4 Separate Channel Operation

Radio Contact
Long Range Antenna

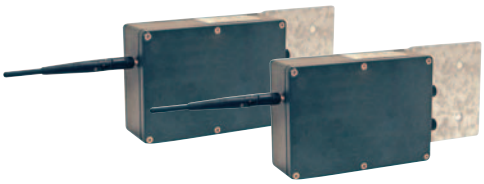


- 1394/ANT10 Long range antenna for 1394/RX up to 5Kms
- 2400/ANT10 Long range antenna for 2400/RX up to 3Kms
- 458/ANT10 Long range yagi 458MHz up to 5000Mts

We strongly advise that a field survey is carried out to ensure that wireless equipment is suitable for the site you are working on. Videcon PLC will accept no responsibilty for the failure of this equipment other than faulty.

If you require any further assistance with these products please do not hesitate to contact our sales department.

MEL
VISBOX 2.4 (IP65)
Visualiser RX / TX Kit



Visualiser is ideal for applications where the laying of cable between the camera and the viewing point could cause a problem, short-term camera installations, discreet or covert surveillance and home security. Using the 1.394 GHz UK licence exempt frequency of 2.4 GHz, the Visualiser Link offers an efficient, low cost solution to users.

Visualiser is a totally wireless system allowing any composite video input to be transmitted to a receiver, which can then be connected to any standard monitor, VCR, multiplexer or quad processor.

Visualiser is available with a number of options including a weatherproof transmitter for connection to any suitable video source and series of covert and overt packages. These are available as low voltage or battery powered versions with options for audio and alarm trigger.

- High resolution transmission in colour or monochrome
- Rapid installation
- Multiple channels available
- Low cost
- Audio and alarm trigger options
- Range up to 300m (subject to site conditions)
- 12 volt dc or 9 volt battery operation
- Flexible and simple to install
- International licence excempt frequency

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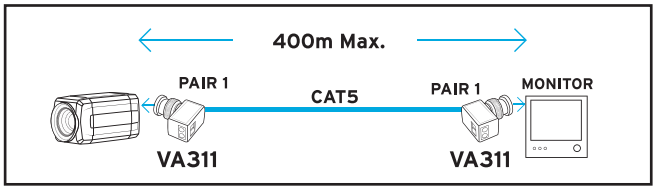
A balun converts an unbalanced video signal into a balanced signal which can then be fed over standard CAT 5 cable. CAT 5 is much more cost effective to work with than RG59 and also provides greater flexibility as up to 4 video signals can be fed on a single CAT 5 cable run. Baluns can be either passive (no power required) or active (they need a separate PSU but generally offer extended transmission distance). In general, if a balun is used on a camera, a corresponding balun is also required at the monitor side to convert the balanced signal back to unbalanced to allow connection to a standard BNC input (DVR, monitor etc.).

Videcon
VA311
Passive Balun

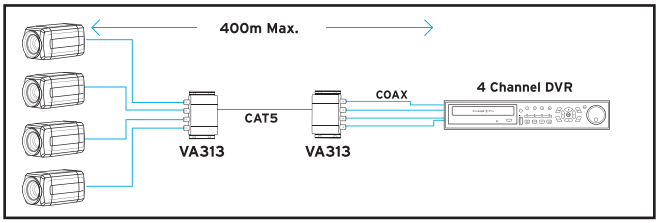
The VA311 is an incredibly compact single channel passive video balun which can easily be fitted inside speed dome junction boxes, camera housings and to the rear panel of DVRs without obstructing other cable connections.

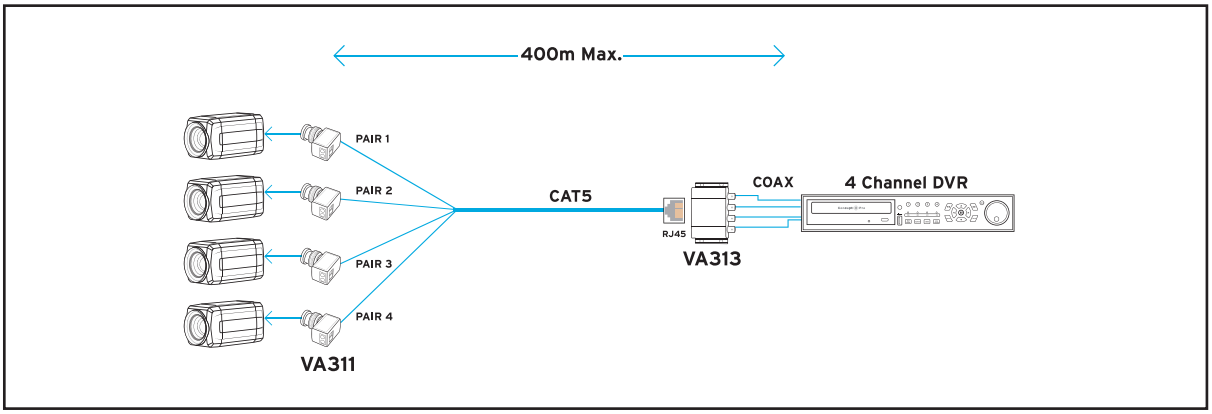
To reduce cable cost and installation time, one length of CAT-5 cable can be used for up to 4 pairs of VA311, allowing 4 camera signals to be transmitted at distances of up to 300m in colour and 600m in black & white.



Videcon
VA313
Passive Balun

Converts 4 BNC inputs to one CAT 5 RJ45 connection. Maximum distance is 300m for colour cameras and 600m for B/W cameras. A second VA313 at the monitor end converts the single CAT5 back in to 4 BNC outputs for connection to a DVR or monitor etc.





Videcon
VA314
Passive Balun

Provides power to and receives video from up to 4 cameras (one CAT 5 cable per camera). Each camera requires a VA316. The output of the VA314 is a single RJ45 connector which can be fed over another CAT 5 run to a VA313 to ultimately provide 4 standard BNC video outputs. The VA314 includes a PSU which provides 12V DC and a maximum of 250mA for each camera. Maximum distance from cameras to monitor is 250M.

Videcon
VA316
Passive Balun

Located at the camera and accepts power from and feeds video back to a VA318 or VA314 over a single CAT5 cable.

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Videcon
VA318
Passive Balun

Located at the monitor end, the VA318 provides 12V DC power over a single CAT 5 cable to a camera at distances of up to 300m. The video output from the camera is fed down the same CAT5 cable back to the monitor. Requires a single VA316 at the camera end. The VA318 includes a PSU which provides 12V DC and a maximum of 250ma for the camera.

Videcon
VA320
Active Balun

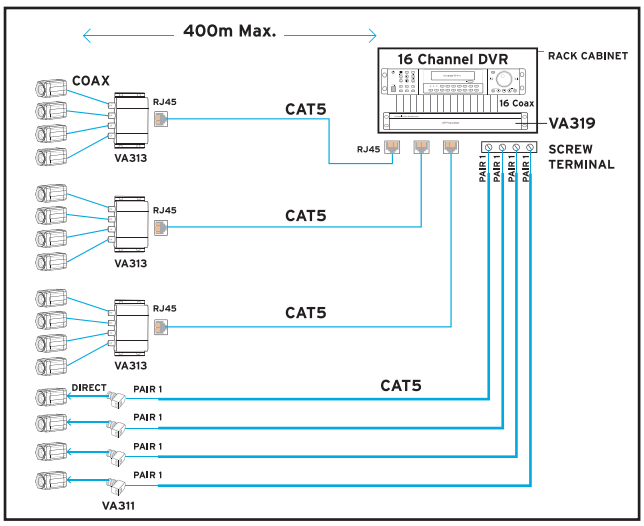
An active balun located at the monitor end which is used in conjunction with a VA311 at the camera end to provide CAT 5 video transmission over distances of between 300m and 1200m. The VA320 requires a separate 12V DC PSU.

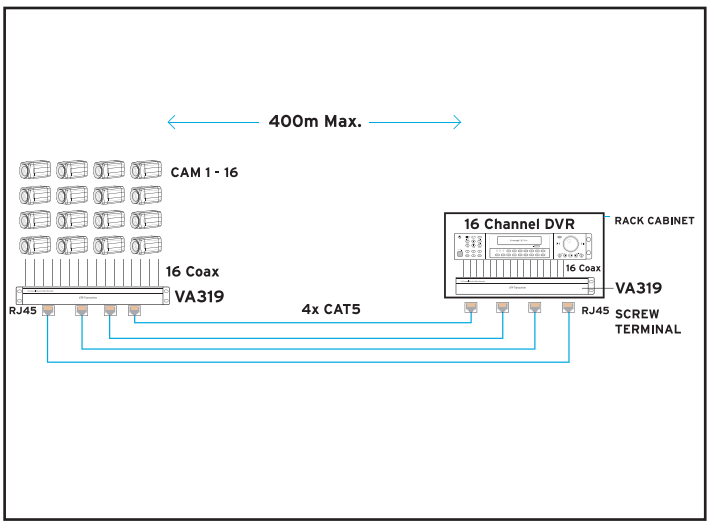
Videcon
VA319
Balun (passive) rack mount 16 channel

- Transmits or receives up to 16 video signals over 4 CAT5 Cables with RJ45 connections or 16x CAT5 pairs with screw terminal connections
- RJ45 and screw terminal connections can be mixed for flexibility
- Maximum distance achievable is 400m for colour signals and 600m for black and white signals
- Lightning and surge protection built in
- Balanced signal helps to reject interference from other equipment
- Fully compatible with the VA311 single channel passive balun and the VA313 4 channel passive balun

The VA319 is a 1U 19" rack mount 16 way passive balun solution and provides a neat, power free solution for running up to 16 camera feeds over CAT5 cables to a rack mounted DVR.

The VA319 is fully compatible with other baluns in the range and connections can be made either using RJ45 connectors or screw terminals for maximum flexibility. Maximum transmission distance is 400m for colour signals and 600m for black & white signals.





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Videcon

AUXILLIARY EQUIPMENT

ORDER CODE	DESCRIPTION
Auxilliary Equipment	
OS-474	Motion sensor wall switch with variable time and manual overide
VA4-8P	Programmable video distributor 4 in 8 out
VA1271	Video Amplifier 1 to 1 with adjustable gain 12VDC no PSU
VA2100	Coax line driver RX/TX kit includes PSU
VA2500	Coax Dual Line Driver Kit INC PSU. 2 X Video/Alarm/Audio
CLVIEW	Hum elimination and Lightning protector, two channels
CLSU1	Lightning protector, one channel
CLSU2	Lightning protector, two channel
VA116M	Time and date generator, 7 selectable positions, alarm input 12VDC black plastic case
MODWB	TV modulator channels 21 - 69 with audio. Composite video in - RF out. 12 VDC
MPA3	Sound Board for adding sound to any camera inc. Electrec Mic & Pre-amp.
SIGNV	Warning sign - size 260w x 400h.
SIGNH	Warning sign - size 400w x 260h.
WS3	Warning sign - A3
WS4	Warning sign - A4
TILL SCAN	
VSI-PRO	Video serial interface board

OS-474
Light Sensor
motion activated light switch

VA4-8P
Programmable video distributor 4 in 8 out

CLSU1
Lightning Protector. Protects equipment against lightning strikes

MODWB
TV modultaor

MPA3
Sound board for adding to sound to any camera

15-AC24-1A
Converts 24V AC to 12V DC providing a 800mA rating

VA1271
Video Amplifier 1 to 1 with adjustable gain 12VDC no PSU

VA2100
Coax line driver RX/TX kit includes PSU

VA2500
Coax Dual Line Driver Kit INC PSU. 2 X Video/Alarm/Audio

CCTV
IMAGES ARE BEING MONITORED FOR THE PURPOSE OF CRIME PREVENTION AND PUBLIC SAFETY
THIS SYSTEM IS CONTROLLED BY
FOR INFORMATION CONTACT

SIGNV 260mm (W) x 400mm (H)

SIGNH 400mm (W) X 260mm (H)

WS4 Warning sign A4

WS3 Warning sign A3

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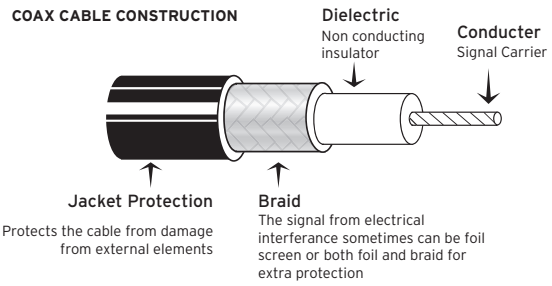
We offer an extensive range of cables and connectors for use within CCTV systems, including RG59 and RG59 with 2 core, available to purchase by the reel or pallet. All of the cables we supply are of a high quality and offer exceptional value for money.

RG59 Coaxial Cable


COAX CABLE CONSTRUCTION
Dielectric
Non conducting insulator
Conducter
Signal Carrier
Jacket Protection
Protects the cable from damage from external elements
Braid
The signal from electrical interferance sometimes can be foil screen or both foil and braid for extra protection

A coaxial cable has a solid copper or copper clad steel centre conductor surrounded by a non-conductive dielectric insulating material. The dielectric is surrounded by foil shield/s and/or copper braid/s which form the outer conductor and also shield against electromagnetic interference (EMI). The outer conductor/shield is encased in a PVC jacket.

Pallet prices available - call sales on +44 (0)1924 528000

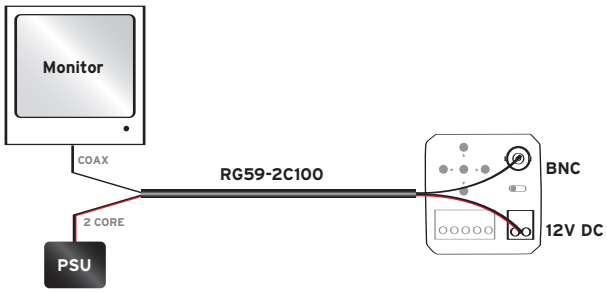
ORDER CODES	
RG59W-100	100M RG59 White
RG59B-100	100M RG59 Black

RG59B-2C100 RG59 with 2 Core

RG59-2C100 is a standard RG59 coax cable with a 2 core (0.75mm Dia.) power cable welded to it, often called "shotgun" cable.

2 CABLES IN 1

- One cable solution
- Makes installations easier and more cost-effective
- Offers a simple and tidy solution to multiple cable systems
- Installation jobs look neat and professional
- Features a foil screen and nickel coated copper weave, which gives greater protection from electrical and EMC interference



ORDER CODES	
RG59B-2C100	RG59 with 2 Core

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Cable

CABKIT1

- Pre Plugged RG59 in 1, 2, 5, 10, 20 or 30m lengths

CABLE4

- 100m 4-Core Screened

B-8723

- 100m TP Beldon equivalent

SCARTC

- Scart to BNC

CAT5-305

- 305m CAT5 Solid

ORDER CODE	DESCRIPTION
Cable	
CG592W	200M RG59 White
CG595W	500M RG59 White
CG592B	200M RG59 Black
CG595B	500M RG59 Black
CC1251	100M CT125 Black
CC1255	500M CT125 Black
CC1251DB	100M CT125 Black direct burial
CABLE4	4 Core cable with overall screen, Grey PVC outer sheath
SCARTC	BNC to Scart cable
B-8723	100M twisted pair Beldon equivalent
B-8723-500M	500M twisted pair Beldon equivalent
CAT5-305	305m CAT5 solid
Connectors	
CG59CP/100	100 bag RG59 crimp plug with gold-flashed centre pin and heavy duty chrome plating
CG59CP	RG59 crimp plug with gold-flashed centre pin and heavy duty chrome plating
CG59RC	RG59 right angled crimp plug with gold-flashed centre pin and heavy duty chrome plating
CG59SP	RG59 screw-on plug
CG59SC	RG59 straight connector
CG59PA	RG59 plug to phono socket
PCG59A	Phono plug to RG59 connector
CG59T	RG59 Tee connector 2 connector (male) - 1 plug (female)
CC125C	CC125 cable connector BNC
PHONO	Phono plug, suitable for soldering small screened cable.
CG59SR/B	RG59 Strain relief boots, black, pack 100
CG59SR/M	RG59 Strain relief boots, mixed colours pack 100
RJ45CT	RJ45 crimp tool
RJ45CP	RJ45 crimp plugs pack 100
RJ45SR	RJ45 Strain relief boots, mixed colours
VTCTKIT	Insulated terminal crimping kit

Connectors

CG59SP

- Screw on BNC
- Male

CG59CP

- Crimp on
- Male

CG59CT

- T-piece
- Female/Male/Female

CG59SC

- BNC Coupler
- Female/Female

CG59PA

- Phono to BNC
- Female/Male

PCG59A

- BNC to Phono
- Female/Male

CG59RC

- Right angled Crimp
- Male

PHONO

- Phono Plug
- Male

If you can't find the what your looking for on this page call us on 01924 528000

AGC (Automatic Gain Control)
An electronic circuit that tries to keep signals at a constant level; more useful in cameras at low light levels. The higher the number the better, typical values 12 - 20dB i.e. a gain of approx 4x - 10x.

A.I. (Auto Iris
An electronic circuit fitted to the iris of a lens to help compensate for large changes in light levels.

A.L.C. (Automatic Level Control)
On AI lenses, also known as the peak/average control. Adjusting this control allows the auto iris circuitry to either take bright spots more into consideration (peak), bringing out detail in bright areas, or less into consideration (average) bringing out detail in shadows.

ADSL (Asymmetrical Digital Subscriber Line)
A telephone line with uneven transmission rates; half the transmission can attain speeds up to 640 kbps; the other half can attain speeds of 2.048 Mbps or greater in the opposite direction.

Ah
Ampere hours. e.g. 1A for 6 hours = 6Ah. Always de-rate the battery capacity by 66%

Alarming
The ability of CCTV equipment to respond to an input signal, normally a simple switch closure. The response varies depending on equipment type, most common is for switcher to 'hold' on the camera corresponding to the alarm input.

Ambient Light Level
Background or general light level of a given area.

Analogue
A signal in which any level is represented by a directly proportional voltage; not digital.

Angle of View
This is what alters (not the focal length) when you use a lens designed for one format on another format. It decreases with format size.

Aperture
The 'opening' of a lens, a measure of its light gathering capability. Relative Aperture is a ratio between its focal length and effective aperture, measured in F numbers, generally the lower the better.

Archive
Long term storage of digital files to a removable media. At this time DAT is the most common media for archiving of digital recordings.

Aspherical Lens
A lens designed with a non spherical shape so that it refracts the light passing through it to either lower the lens aperture so that it passes more light or decrease barrel distortion on wide angle lenses.

Asynchronous Transmission
Transmission in which time intervals between transmitted characters may be of unequal length. Transmission is controlled by start and stop bits at the beginning and end of each character. Compare with synchronous transmission.

ATM (Asynchronous Transfer Mode)
A high-speed cell-switching network technology that handles data and real-time voice and video. ATM is defined in the Broadband ISDN (BISDN) standard and provides "bandwidth on demand" by charging customers for the amount of data they send. Data rates are scalable, starting as low as 2.048 Mbps with intermediate speeds of 25,51 and 100 Mbps, to high speeds of 155,622 Mbps and up into the gigabit range.

Auto White Balance
Feature on colour cameras whereby the camera constantly monitors the light and adjusts its colour to maintain white areas.

Auto-terminating
Feature whereby the equipment automatically selects the correct termination depending on whether the video output BNC is connected.

B.L.C. (Back Light Compensation)
A feature of CCD cameras which electronically compensates for high background lighting to give detail which would normally be silhouetted.

Back Focus
The mechanical aligning of the imaging device with the focal point of the lens. Most important on zoom lenses to ensure the image stays in focus throughout the zoom range.

Balanced Signal
Method of transmitting video, usually over twisted pair cable, that consists of two equal but opposite signals being sent down two conductors.

Balun (Balanced Unbalanced)
A device that connects a balanced line, such as twisted pair, to an unbalanced line, such as coax cable.

Band Width
The frequency range that an electronic circuit can accept.

Bandwidth
The range of frequencies available for signalling the difference between the highest and lowest frequencies of a band, measured in Hertz.

Base-Band Video
Unmodulated video signal suitable for display on a monitor but not a domestic TV.

Baseband
A full-channel bandwidth transmission where digital signals are placed onto a transmission line with no change in their modulation.

Baud
Unit of signalling speed. The speed in baud is the number of line changes (in frequency, amplitude, etc.) or events per second. At low speeds, each event represents only one bit condition, and baud rate equals bps. As speed increases, each event represents more than one bit and baud rate does not truly equal bps.

Baud rate
Data transmission speed.

Bit (Binary Digit)
The smallest unit of information in a binary system; a one or zero condition.

Black Level
The level on a video signal, just above the sync pulses, where black portions of the picture are represented.

Blanking (Field and line flyback blanking)
The operation of turning off the monitor display, or pick-up device, during sync pulses to avoid thin white lines appearing on the picture. BNC: Video connector, the most commonly used in CCTV.

C Mount
Long established industrial standard for connecting cameras and lenses, widely used in the CCTV industry.

C.C.D. (Charged Coupled Device)
A 'chip' that performs the same function as a camera tube.

C.C.I.R. (Comite Consultatif International des Radiocommunications)
The European TV standard 625 lines 50 fields.

Cable screen/shield
A conductor which forms a sheath around one or more insulated conductors. This reduces the effect of interference onto the conductors. This shield is usually metallic foil or stranded wire wrapped around the conductors.

CD-ROM (Compact Disc Read-Only Memory)
A compact disk format used to hold text, graphics and hi-fi stereo in excess of 650 MB of data, which is equivalent to about 250,000 pages of text or 20,000 medium-resolution pages.

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Chrominance (C)
The part of the video signal corresponding to the colour information.

Co-Axial Cable
Any cable that has a conductor and shield sharing the same axis.

Composite Sync
A signal comprising of both Line and Field sync pulses but without any video information.

Composite Video
The full video signal, including both video data and sync pulses.

Compression
A number of methods to reduce the size of digital information. See J-PEG, M-PEG and Wavelets.

Conditional Refresh
Technique used in slow and fast scan where only small screen changes are transmitted. Up to a certain percentage of the on-screen picture can be updated before a full picture is required.

CS Mount (Special C mount)
New standard for connecting cameras and lenses. It has a shorter penetration into the camera, needed for many modern CCD designs.

CS to C Mount Adaptor (C Ring)
5mm spacer ring used to enable the use of C mount lenses on CS mount cameras.

D.D. (Direct Drive)
An Auto Iris lens requiring a D.C. reference from the camera rather than the traditional video reference.

Daisychain
To connect devices in a series, one after the other where the transmitted signals go to the first device, then to the second and so on.

Data cable
Cable used for transmitting low level signals between system units.

dB (decibel)
A logarithmic unit for comparing two voltages, each 6dB doubles the voltage.

Default
An assumption made by the system when no specific choice is given by the programme or the user.

Depth of Field
The area of acceptable focus of an image. The wider you set the aperture of a lens the lower the depth of field becomes.

Digital
A signal that levels are represented by binary numbers. These can be kept in a store.

Digital Video Recorder - DVR
See Hard Disk Recorder.

Distribution Amplifier
A device that accepts a video signal and sends it out over a number of independent outputs.

DOS
A disk operating system in which programmes are stored on disk.

Duplex (Multiplexer)
A multiplexer with two frame stores allowing it to show multi-screen pictures while performing time multiplex recording.

DVD (Digital Video Disk, Digital Versatile Disk)
A de facto standard agreed on by the computer, consumer electronics and entertainment industries for storing 4.7 or more GB of data on a single optical disc the size of a CD.

Dwell Time
The length of time a switcher will hold a camera before moving on to the next in sequence.

E.I. (Electronic Iris)
Automatically varies a CCD camera's shutter to mimic Auto Iris control, allowing fixed or manual iris lenses to be used in a wider range of areas.

EIA (Electronic Industries Association)
A standards organisation in the US specialising in the electrical and functional characteristics of interface equipment.

Encoded
The result of transferring information in a coded form to a medium.

Ethernet
A local area network (LAN) developed by Xerox, Digital Equipment Corp. and Intel. Standardised as IEEE 802.3 and ISO 8802.3. Ethernet connects up to 1024 nodes at 10 Mbps over twistedpair, coax and fibre optic cable. When a station is ready to send, it transmits its data packets onto the network, which is common to all nodes. All stations "hear" the data. The station that matches the destination address in the packet responds while the others do nothing. Ethernet is a data-link protocol and functions at the Physical and Data-link Levels of the OSI model (Layers 1 and 2).

Ethernet Address
A unique 48-bit number maintained by the IEEE/ISO and assigned to each Ethernet network adaptor.

Event
Valid transactions reported by Access Control and Monitoring Systems.

Ext. Sync (external sync)
The ability of CCTV equipment, normally cameras, to accept one or more of the standard sync formats so as to align itself to the rest of the system.

EXview™
The latest interline CCD sensor from SONY that has increased sensitivity across the visible spectrum and the near IR.

Fast Ethernet
Generally refers to 100BASE-T and 100BASE-FX but may also include 100VG.

Field
One half of a frame, consisting of either the odd or the even numbered lines, 50 fields are transmitted every second.

Field of View
The view achieved with a particular lens; varies with the focal length.

Firewall
A network node set up as a boundary to prevent unauthorised traffic from one segment to cross over to another. Firewalls are used to improve network traffic, as well as for security purposes.

Flash memory
A memory chip that holds its content without power but must be erased in fixed blocks rather than single bytes. Block sizes typically range from 512 bytes up to 256KB.

Focal Length
Of a lens, the distance in millimetres, between its secondary principal point and its focal point. The higher the number the greater the magnification and the less the field of view.

Focal Point
The point on the axis of a lens to which parallel rays of light will cover.

Format
How the computer arranges the information onto disk. Can also apply to printers.

Frame
One complete TV picture made up of approximately 625 lines. 25 frames are transmitted every second.

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Frame Relay
Packet-switched network similar to X.25 but with end-to-end error-checking and high-speed transmission rates.

Frame Store
Digital information store capable of holding a complete frame of video information.

Frame Transfer CCD
Type of CCD chip which consists of vertical charge transfer channels placed side by side. During vertical blanking, the charge generated in the light sensitive imaging area is rapidly transferred into a shielded storage area. During the horizontal blanking, this charge is shifted down a line at a time into a horizontal shift register where it is clocked out during each line period to form the video signal.

Full Picture Update
The technology which enables a transmission system to update a high quality full picture on each picture refresh at very fast speeds.

Galvanometric (galvometric)
One method of converting the small electric currents produced by Auto Iris circuits into physical movement of the iris diaphragm. Used in both Auto Iris and Direct Drive lenses.

Gamma
A camera adjustment that ensures a linear correlation of light gain on the entire system eg. A doubling of light input gives double light output.

Gateway
A computer that performs protocol conversation between different types of networks or applications.

Gen. Lock (see ext. sync)
To synchronize one piece of equipment to the sync pulses of another.

Gigabit Ethernet
Technology that adapts the Ethernet model for data transmission at 1 Gbps or higher.

Ground Loop
An unwanted continuous or temporary ground current flowing back and forth between two devices that are at different ground potentials.

Hard Disk
Non volatile digital data storage device used in PCs. Come in various storage sizes, normally measured in giga-bytes. See Hard Disk Recorder.

Hard Disk Recorder - HDR (Digital Video Recorder - DVR)
Device that uses digital techniques to record CCTV pictures to a hard disk. The results can be of higher quality than VHS or SVHS, events can be found faster and there is no loss of quality when copies are made.

Hardwired
Method of controlling camera points using multicore cable.

Hot Swapping
Removing and replacing a component of a larger system while the system is receiving power and operating.

HTML (Hypertext Mark-up Language)
A standard for defining documents with hypertext links. HTML is a subset of SGML (Standard Generalised Mark-up Language) and is used to establish links between documents on the World Wide Web.

HTTP (Hypertext Transfer Protocol)
The clients/server protocol used for connections to servers on the World Wide Web. Addresses of Web sites begin with an http://prefix.

Hub
A central connecting device in a network that joins communications lines together in a star configuration.

Hz (Hertz)
Cycles per second.

I.R. (Infra Red)
A range of frequencies lower than visible red light used for covert surveillance or as a low cost wireless video link.

Ident
Number or title super-imposed on a video signal.

Image Sensor Format
Size of the CCD element in the camera.

Impedance
The effective resistance of an electronic circuit to an A.C. signal.

Interlace (2:1 interlace)
The accurate combining of two fields, one odd one even, into a single frame.

Interleaving
Method used with alarms or activity detection which allows extra frames of video from alarmed cameras to be added to a time multiplexed sequence whilst a state of alarm exists.

Interline Transfer CCD
Type of CCD chip in which the photosensors acquire and store an electric charge according to the intensity of light falling on them. The charges are first transferred to a vertical shift register and then a horizontal shift register. This is controlled by an external pulse timing system.

Internal Sync (crystal controlled)
A camera that generates its sync pulses without reference to any other source. Normally using a crystal controlled oscillator.

Internet
1) Any large network made up of several smaller networks.
2) A group of networks that are interconnected so that they appear to be one continuous large network and can be addressed seamlessly at the OSI Network layer through routers.
3) The industry name for the Worldwide interconnected network. Based upon the original ARPANET network, it's used as a reference resource, a way of sending e-mail and an online chat room for users around the world.

Intranet
A network connecting a related set of standard Internet protocols and files in HTML format with employees using Internet browsers in an organisation's network and within the corporate firewalls.

IP (Internet Protocol)
The protocol used in gateways to connect networks at the OSI Network Layer (Layer 3) and above. IP routes a message across networks.

Iris (Iris diaphragm)
Adjustable diaphragm that regulates the amount of light passing through a lens.

ISDN (Integrated Services Digital Network)
A digital switched network used to transmit voice, data, images or video. Also see BRI

J-PEG
Joint Picture Expert Group. A popular suite of digital compression tools. Originally for use with "still" pictures but often used in CCTV products.

Kb
Kilobyte, or one thousand bytes or characters of information.

Kilo
Order of magnitude; 10 3

LCD
Liquid Crystal Display. A type of flat screen display.

Lens Calculator Software
A computer program for specifying correct lenses.

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Lens Calculator Wheel
Used for calculating a lens size or distance from a camera to the subject.

Line Amplifier (Video line corrector)
A device to make good the loss of signal strength and quality due to long cable runs.

Line Fed Camera
A camera that receives its power along the same cable that is used to send its picture back to the monitor.

Line Lock
To synchronize the field sync pulses, of an AC powered camera, to the frequency of the voltage input (line voltage).

Linux
A freeware, clone version of the UNIX, System V release 3.0 kernel that runs on PC x86 machines and other platforms.

Local Area Network (LAN)
A data-communications system confined to a limited geographic area (up to about 10km) with moderate to high data rates (100 kbps to 100 Mbps). The area served may consist of a single building, a cluster of buildings or a campus-type arrangement. The network uses some type of switching technology and does not use common carrier circuits (although it may have gateways or bridges to other public or private networks).

Looping
Video input of a piece of video equipment both unterminated and including the relevant sockets for the extra coaxial cables.

Luminance (Y)
The part of a video signal that consists of the monochrome data.

Lux
Metric measure of the light striking a surface. The light available from that surface will depend on how reflective it is.

M-PEG
Moving Picture Expert Group. A suite of digital compression tools specifically designed to video images.

Macro
Feature allowing you to pre-programme frequent system configurations for selection by a single keystroke or optionally by alarm inputs.

Matrix Switcher
A switcher able to route any of its camera inputs to any of its monitor outputs; a name usually reserved for large systems, that often includes telemetry control.

Mb
Megabyte, or one million bytes or characters of information.

Mechanical Focus (Back-focus,racking)
The mechanical aligning of the imaging device with the focal point of the lens; most important on zoom lenses to ensure the image stays in focus throughout the zoom range.

Microwave
Radio frequencies between 1 - 30 GHz used for video transmission over medium/long distance.

Modem
Used with PSTN telephone lines to connect a fastscan system to the dial up BT network.

Modem
Modulator/demodulator used in data transmission.

Modem (Modulator-Demodulator)
A device used to convert serial digital data from a transmitting terminal to an analogue signal (carrier) for transmission over a telephone channel or to reconvert the transmitted analogue signal to serial digital data for acceptance by a receiving terminal.

P.A.L. (Phase Alternate Line. See CCIR)
Colour TV system used in the UK

PCI, (Peripheral Component Interconnect) Bus
PCI Local Bus is a high-performance bus that provides a processor-independent data path between the CPU and high-speed peripherals. PCI is a robust interconnect mechanism designed specifically to accommodate multiple high-performance peripherals for graphics, full-motion video, SCSI and LANs.

PCMCIA (Personal Computer Memory Card International Association)
A non-profit trade association founded in 1989 to standardise a method for connecting peripherals to PCs. PCMCIA created a 16- bit socket that's "Plug-and-Play" compatible and can be automatically configured by a software driver called PCMCIA Card Services.

Peak White Inverter (Eclipser)
An electronic circuit that turns any white part of a video signal, over a preset level, to black. If installed in the auto iris video line it decreases the contrast of one picture, bringing out detail otherwise lost in shadow.

Peer-to-Peer
Communications in which both sides have equal responsibility for initiating, maintaining and terminating the session.

Phase Adjustable (see line lock)
The ability to delay the line locking process, so as to align cameras fed from A.C. voltages on different phases.

Photocell
Automatically switches on the infra-red lights when light levels fall to a preset level.

PING (Packet InterNet Groper)
A utility used to determine if a TCP/IP device is available and responsive on a network or at an Internet site.

Plasma
A type of flat screen display.

Port
That portion of a computer through which a peripheral device may communicate.

PPP (Point-To-Point Protocol)
A data-link protocol that provides dialup access over serial lines by encapsulating protocols in specialised Network Control Protocol packets. These packets can be used to replace a network adaptor driver which allows remote users to log on to the network as if they were in-house.

Presets
The pre-positioning of pan, tilt and zoom cameras by the use of potentiometers in the moving parts of the camera head. These allow the control equipment to store and move to a set reference point when the controller dictates or when an alarm exists. Special telemetry equipment is required.

Protocol
A standard for sending coded messages between computers and peripherals.

Protocol Converter
Data transmission converter i.e. RS232 to RS485 or vice versa.

PSU
Power supply unit.

Remote Access
The ability of a computer in one location to connect to a device at another location or site.

Router
A system that stores and forwards data packets- by way of network addresses- from one LAN to WAN to another.

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RS-422
EIA interface standard that generally operates in conjunction with RS-449 and specifies electrical characteristics for balanced circuits and extends transmission speeds and distances beyond RS-232/V.24. RS-422 is a balanced voltage system with a high level of noise immunity.

RS-485
Balanced interface similar to RS-422/V.11 but using tri-state drivers for multidrop applications.

RS232
A commonly used computer serial interface.

RS232
A data communication industry standard for the serial transmission of information. Distance without modems is limited.

RS485
A data communication industry standard for transmission of information.

Rugby Clock
Radio signal to synchronize equipment clocks accurately and that automatically adjusts the BST setting.

S-VHS (Super VideoHome System)
New format high resolution VHS video recorders, capable of giving greatly improved picture if all features are used. VHS compatible.

S-VHS+
A recording system that can playback a picture with a resolution of over 410 TVL.

S.E.C.AM. (Systeme Electronique Couleur Avec Memoire. See CCIR)
Colour TV system used in France.

S/N Ratio (Signal to Noise Ratio)
Measure of noise levels of a video signal; the higher the number the better.

Scanner
A pan only unit.

SCART
Standard European 20 pin connector used for carrying both video and audio signals in domestic TV appliances, now utilised on some CCTV equipment.

Shutter
An electronic circuit available on many CCD cameras. Allowing the light gathering period (1/50th of a second) of the camera to be stopped prematurely (as little as 100,000 of a second).

Simplex (Multiplexer)
A multiplexer with 1 frame store that can either time multiplex records or show multi-screen pictures in live or play back. It cannot record the multiplexer pictures whilst showing multi-screen pictures.

Single-Mode Fibre
An optical fibre that supports only one mode of light propagation above the cut off wavelength. The core diameters are usually between 5 and 10 micrometres (um).

Swivel Mount
Used on a tower or bracket to enable the housing to be pointed at any angle, vertically or horizontally.

Sync (Synchronisation pulses)
Pulses generated, normally by the camera, to tell other pieces of equipment when a picture (field sync) or one line of a picture (line sync) is to start.

Telemetry
A system utilising 'control code' transmitters and receivers. These use the video cable or a simple twisted pair cable to send their information.

Terminated (75 Ohm terminated)
Video input of a piece of CCTV equipment, wired to be the last in a particular video line.

TFT
Thin Film Translator. A type of flat screen display.

Time-Lapse VCR
Video recorder that can record frames with pauses between them thereby extending the time that a standard length tape will last.

Timebase Corrector (T.B.C.)
Electronic circuit that aligns unsynchronised video signals before signal processing. Used in multiplexers and quad splitters.

Triplex™
Multiplexer feature that gives you the ability to simultaneously view both playback and live cameras within the same multi-screen, while still encoding.

TVL (Television Lines - Resolution)
The maximum number of changes between light and dark on a picture across 3/4 of the width dictates the resolution of a CCTV product, measured in TVL.

Unmonitored
Does not sense the open/closed state of the door.

Unterminated (Hi-Z)
Video input of a piece of CCTV equipment, wired so as to allow the video signal to be fed to further equipment. Does not necessarily include extra sockets for the extra coaxial cables.

Update Rate
The number of pictures (fields) per second recorded by timelapse VCRs/Multiplexers or HDRs. USB (Universal Serial Bus) Serial 4-wire bus architecture for peripherals I/O ports; autosenses up to 128 peripherals at a distance of 5 metres and at a maximum data rate of 12 Mbps.

User Friendly
The term applied to software and/or hardware that has been designed to be used easily without having to remember complex procedures.

V.B.S. (Video,Burst, Sync)
A composite colour video signal.

V.H.S. (Video Home System)
Name given to 1/2" tape format domestic video recorder.

V.S. (Video Sync)
A composite monochrome video signal.

Varifocal
A type of lens which enables a manual selection between two focal lengths to give the desired picture view.

Vertical Interval Switching
Sequential switchers waiting until the current field has finished before they display the next camera, even though the dwell time has elapsed.

VEXT
A multiplexer feature that uses a pulse generated by the VCR so that the multiplexer automatically adjusts to the VCR time lapse speed.

Video Motion Detection (V.M.D.)
A system that uses the video signal from a camera to determine if there is any movement in the picture and set of an alarm.

WAN (Wide Area Network)
A data-communications network spread across a wide geographic area and incorporating a large number of users. A WAN often uses transmission devices provided by common carriers. Examples of WANs include Frame Relay, SMDS and X.25.

Wavelets™
A suite of digital compression tools that is becoming popular in the CCTV industry, giving good picture quality at higher compression rates.

Y
The black and white video signal.

Y/C
A method of sending video pictures in 2 separate parts down 2 separate cables. The component parts are Y (the Black and White portion) and C (the colour portion).

Training with Videcon

In such a dynamic market it is imperative to undertake regular training in new and emerging technologies whether you are an old hand or new to the industry. We are delighted to offer the market informative, impartial training courses that provide a comprehensive insight into the principles of CCTV equipment and installation.

Courses are run by our Technical Manager, Ian Farr at our head office in West Yorkshire. Places are limited to 10 people per course to ensure that all delegates achieve the most from the day.

We have developed three tailor-made training courses to accommodate CCTV installers at beginner, intermediate and advanced levels

Foundation Level 1

- Applications of CCTV
- Camera and lenses
- CCTV Transmission, switching and control systems
- Video multiplexers and digital recording
- Data protection act (1998)
- Fault Finding

Intermediate Level 2

- Revision of principles
- Coaxial telemetry
- Twisted pair cable in CCTV systems
- Integrated domes
- Fibre Optic Transmission
- Remote monitoring of CCTV systems
- Free space transmission of video signals
- Network CCTV

Advanced Level 3

- Understanding Networking
- Patch panels and cabling
- Hubs, Switchers and Routers
- Firewalls and Security
- Connecting DVR's to networks
- Network Cameras
- Decoders and Encoders
- Fault finding and diagnostics

Under Construction

Our technical training and demonstration room is currently under construction - due to be open by summer 2008.

On completion of the course all attendees receive a 'Certificate of Training' and a full set of course reference notes.

All levels start at 9.30am and finish at 5.00pm with a 1-hour break for lunch, which is provided on the day.

On completion of the course all attendees receive a 'Certificate of Training' and a full set of course reference notes.

For a complete breakdown of course content and costs please contact:
Amanda Johnson on: +44 (0) 1924 528000 or email: ajohnson@videcon.co.uk

sales information

Opening an Account

An application form can be found at the back of this catalogue. It will usually take 5 working days to process your application, during which time we can accept cash or any of the following debit/credit cards:

Account Payment

Payment is due on the 25th day of the month following invoice.

Errors and Omissions

Every effort has been made to ensure that the information in this catalogue is accurate. No liability will be accepted by Videcon PLC for any errors or omissions. All cameras that are illustrated do not include lenses unless otherwise stated.

Trade Counter

Customers are welcome to order and collect their goods at the trade counter located at our head office in West Yorkshire, between the hours of 9:00am – 5:00pm Monday-Friday (excl bank holidays). Whenever possible we'd appreciate it if you could give us a call first on +44 (0)1924 528000 to let us know you will be coming in.

Opening Times

Videcon is open for business Monday to Friday 9.00am until 5.30pm excluding bank holidays

Returns and Repairs

We understand that returning goods for any reason can be a hassle, so we have tried to make our returns process as straightforward as possible.

Firstly telephone our returns department on +44 (0)1924 528000 and request an RMA form. Complete all sections of the form and fax or email it back to us by 3pm if a next day replacement is required.

On receipt of the completed form our technical department may ring you to discuss the reported fault. If required an advance replacement will be shipped for next day delivery. Replacements are invoiced at usual cost, and when the returned item is agreed faulty you will receive a full credit for the replacement invoice, including carriage.

A returns number (RMA) will be issued and must be attached to the returned items. We regret that items sent without an RMA number will be rejected unopened.

If the product is faulty within 14 days of purchase we will arrange collection. If longer than 14 days it is your responsibility to return the goods.

Please note:

- Branded or non-stock goods ordered specially for customers will not be credited under any circumstances.
- We accept goods back if unsuitable for purpose, only within 14 days. Goods must be in new and unused condition, in original packaging to receive a full credit. The exception to this rule is Digital Video Recorders, which are built to order.
- Chargeable repairs are subject to an inspection fee, details on request.

Delivery Charges

UK Mainland

Weight	Next Day Standard	Pre 10.30am	Pre 12.00
Up to 10Kg	£8	£15	£12
15Kg	£10	£18	£15
20Kg	£12	£18	£15
Extra Kg	0.25 per Kg	0.30 per Kg	0.30 per Kg

Northern Ireland, Isle of Man and the Scottish Isles

Weight	Next Day Standard	Pre 10.30am	Pre 12.00
Up to 10Kg	£18	£25	£22
15Kg	£20	£28	£25
20Kg	£22	£28	£25
Extra Kg	0.25 per Kg	0.30 per Kg	0.30 per Kg

Saturday pre 12.00 will incur an additional £10.

Southern Ireland and France

Weight	Per Carton
Up to 31Kg	£14

For deliveries outside of Europe please contact our Export department on +44 (0)1924 528000 for further information and prices.

Notes

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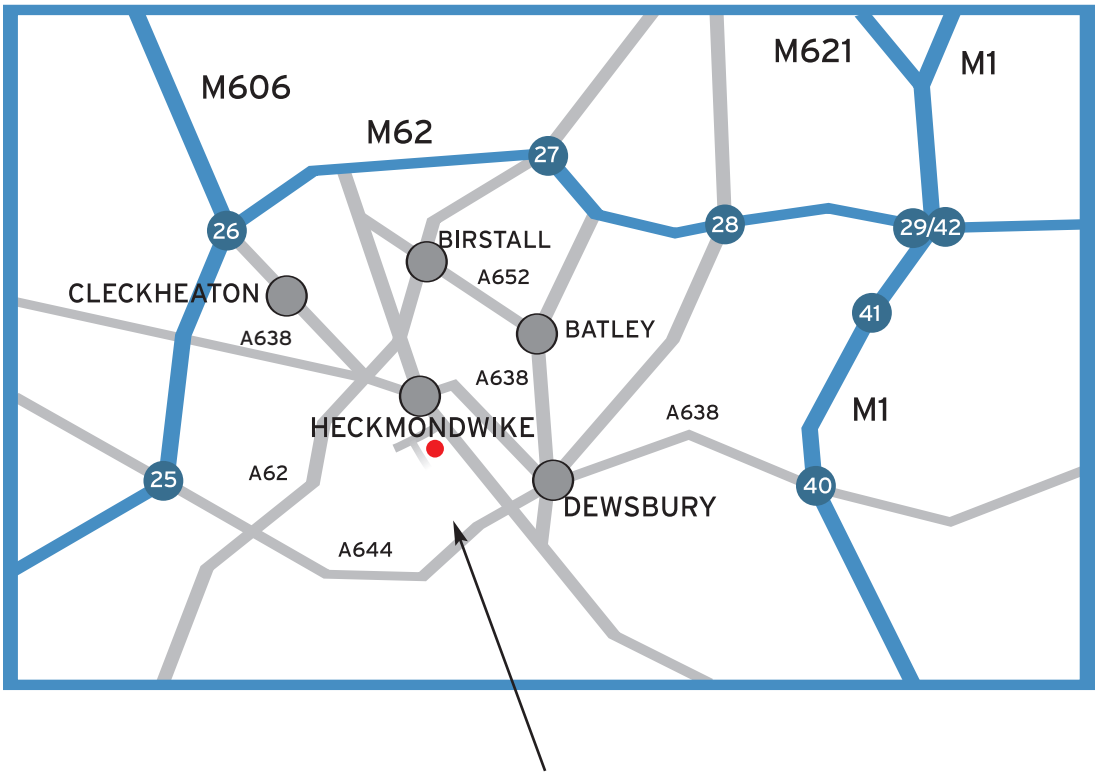

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BY ROAD

From the M1

- Leave the M1 at junction 40 and take the A638 to Dewsbury
- Continue along the dual carriageway
- Go straight across at the roundabout
- Continue for approximately 2 miles in to Dewsbury
- At the main traffic lights (church opposite) get in to the right hand lane and bear right
- At the next lights, get in to the middle lane and go straight across
- At the immediate next lights, get in to the right hand lane and turn right (A638 Halifax, Heckmondwike)
- Continue on the A638 passing Dewsbury College on the right and then Dewsbury Hospital on the left.
- Go straight across at the next lights (Wilson's Van Hire on the left)
- Continue down the hill in to Heckmondwike
- Go straight through the next lights
- Continue in to the centre of Heckmondwike
- Turn LEFT at Traffic lights on to MARKET STREET/B6117. (By Red Lion Public House)0.1 Miles
- Turn RIGHT onto STATION LANE. 0.3 Miles (Signposted Ponderosa Rare Breeds Centre)
- Turn LEFT onto SMITHIES LANE. 0.4 Miles (Signposted Ponderosa Rare Breeds Centre)
- Concept Business Park. End At HECKMONDWIKE, WF16 0PN, GB ENTER after Concept Business Park by crossing the bridge.

From the East

- Leave the M62 at junction 27
- Turn left on to the A62 towards Huddersfield / Birstall
- Go straight over at the first roundabout
- Continue straight through two sets of lights
- Continue through the next set of lights (Coach & Horses Pub on RHS)
- Continue through the next set of lights (Dixons Garage on RHS)
- Go up the hill, straight through the next set of lights
- Continue through the next set of lights
- At the next set of lights (Swan Pub on RHS), turn left
- **Continue through two sets of lights (Heckmondwike park on LHS)
- At the next lights, get in the right hand lane and turn right on to Market Street
- Turn RIGHT onto STATION LANE. 0.3 Miles (Signposted Ponderosa Rare Breeds Centre)
- Turn LEFT onto SMITHIES LANE. 0.4 Miles (Signposted Ponderosa Rare Breeds Centre)
- Concept Business Park. End At HECKMONDWIKE, WF16 0PN, GB ENTER after Concept Business Park by crossing the bridge

From the West

- Leave the M62 at junction 26
- Turn right on to A638 signed Cleckheaton / Heckmondwike
- Pass through Cleckheaton Town Centre
- At the lights go straight on
- Proceed for 2 miles until the Swan Traffic lights (Swan Pub on RHS)
- Go straight on
- Join 'From the East' instruction at **

BY AIR

The nearest airports are Leeds Bradford (LBA) and Manchester (MAN). Please let us know if you require transport from the airport and accommodation arranging.

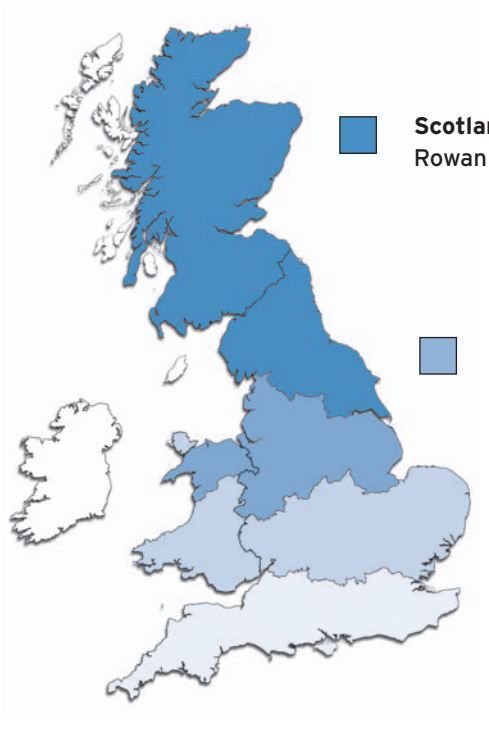
BY TRAIN

The nearest major stations are Wakefield Westgate and Leeds. Please let us know if you require transport from the station and accommodation arranging.

We'll come to you

We have a dedicated and highly experienced field sales team covering all areas across the UK, Ireland and France.

The expansion of the field sales team presents exciting new opportunities for Videcon and customers alike. All members of the team are highly experienced in the industry and are available for customer visits, on-site product demonstrations, technical advice and support.



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North & Midlands
Justin Lindley

Ireland
Peter Falvey

South
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South
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